



This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

- + *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
- + *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
- + *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
- + *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at <http://books.google.com/>

Z7911

H13

1

Handy Lists
of
Technical Literature

Part I.

Library
of the
University of Wisconsin



COPYRIGHT, 1889,
BY
HENRY E. HAFERKORN AND PAUL HEISE.

NATIONAL PRINTING CO.,
PRINTERS,
MILWAUKEE, WIS.

32.534
15 0 '94
SBB
AN
1

INTRODUCTION.

When Mr. Haferkorn, a short time ago, submitted to me his plans for publishing a series of "Handy Lists of Technical Literature," and asked my opinion as to the need of such publications, I was greatly struck by the comprehensiveness and simplicity of his scheme. On closely examining his manuscript, I was as favorably impressed by the painstaking accuracy and apparent care bestowed on each separate entry, which augured well for its completeness. I have frequently been perplexed by the difficulty of obtaining just such information, as he proposed to furnish, and as I have no doubt my experience is a general one, I advised him strongly to carry out his intentions. Now that the first part is completed and printed in my hands, I have found abundant reason to confirm my previous opinion, as to the excellency of the work; and I have great hopes that the busy workers, whether in the library, the bookstore or the workshop, will not allow this undertaking to stop here, for want of support.

K. A: LINDERFELT.

Milwaukee Public Library,
May 3, 1889.

PREFACE.

OF all the books, with which a bookseller has to deal, no class is more inadequately catalogued, and of none is it more difficult to obtain definite information, than the numerous publications relating to the practical arts, trades and manufactures. The ordinary trade tools, even the more expensive ones, are lamentably incomplete in this respect, owing no doubt to the fact, that such books are frequently published and distributed through other than the regular channels of the book trade. To obviate in a measure this difficulty, and furnish, at a price so low as to put it within the reach of everybody, a practical and timesaving key to the modern technological and technical literature of the last eight years, is the object of these "Handy Lists," the first part of which is hereby submitted to the public. That it is free from mistakes and omissions no one, who is acquainted with the difficulties attending work of this nature, would for a moment suppose, but I do claim that all pains have been taken in its preparation to insure accuracy, and to make it as complete as it is possible to do in a first attempt at working what is practically a new field. How far I have succeeded in my endeavor, an actual test in the hands of the public, whose needs it aims at supplying, will soon demonstrate; and I should be under great obligations for suggestions from those who use it for making it more useful for and supplying its defects, in case it should be found of sufficient value to make a new edition desirable.

This list includes *all separate* books in the branches of "Useful Arts in general, Products and Processes used in Manufactures, Technology and Trades," of whose existence I could learn in any way, and published within the period specified, arranged in alphabetical order, according to the authors names or the first word of the titles of anonymous publications. Added to this, in the *same* alphabetical series, is an index of the subjects treated in these books, with numerous cross-references, among which will also be found, what has never been attempted before, references to the principal articles in the best cyclopædias and parts of works devoted to other general subjects, omitting only those references to subjects which would be found in works on Civil Engineering, such as Bricks, Masonry, Stones, etc. The numbers following these subject entries refer to the numbers prefixed to each book in this list.

The various editions of a book, with their prices, have been specified, including American reprints of English works, the first price mentioned being that of the *original* publication. If a second value is added, in a *different standard of money*, it indicates the price, at which the book is sold by the jobber or agent stated in connection with each entry. The PUBLISHER or distributing agent of each book is indicated by a system of ab-

breviations, inserted at the end of each entry, and explained in the accompanying KEY, which contains the list of all publishers and agents represented in this work, with references to the books published or handled by them.

The year of publication has been added in each case, where it could be ascertained, and enclosed in parenthesis when it does not appear on the titlepage. When two or more editions have been issued at the same price, the date of all but the last have also been enclosed in parenthesis.

The APPENDIX contains :

A selection of important books printed before 1880, and entered as they appear in the catalogues of the different booksellers ; also

Such books as do not appear in the official catalogues of new publications for 1880-88, because they are merely *reprints* of old editions ;

And such books belonging to the period of 1880-88, as they are repeatedly included in *booksellers'* catalogues, but of which the *publishers'* name could not be ascertained.

The reception of these lists has shown that there is a demand for such work, and therefore, the succeeding parts will follow at short intervals.

HENRY E. HAFFERKORN.

Milwaukee, May, 1889.

DIRECTIONS FOR USING THE "HANDY LISTS."

If looking for a book by a certain known author, turn to his name in the alphabet. The abbreviation at the end of the book entry refers to the key, where the name and address of the publisher, jobber or wholesale bookseller will be found, from whom it may be obtained.

If in search for books on a certain subject, turn to this subject, printed in *italics*, in the alphabet. The numbers following these subject headings refer to the numbers affixed to the books, in which the subject is treated.

When, in the subject references, a "see" precedes the number, it indicates that the subject is incidentally treated in the book referred to; but before a name, the "see also" indicates other related subjects or subdivisions, which must also be looked up, in order to obtain the whole literature on any given subject.

The works of the "Bohn Library", to which the letters "N. S.", denoting "New Style", are appended, are kept in neat cloth bindings of various colors, as well as in the regular Library style. All orders are executed in the new binding, unless the contrary is expressly stated.

ABBREVIATIONS

acct.—account.
 adap.—adapted.
 add.—additions.
 agric.—agricultural.
 Am. } American.
 Amer. }
 amend.—amendments.
 anc.—ancient.
 anon.—anonym.
 appen.—appendix.
 applic.—application.
 arrang.—arranged, arrangement.
 artis.—artistical, artistic.
 author.—authorized.
 Balto.—Baltimore.
 B. B. M. I.—Bevans' British Manufacturing Industries.
 bd. } bound.
 Bd. }
 bds.—boards.
 biog.—biography.
 Bohn Lib.—Bohn Library.
 Bost.—Boston.
 B. R. B.—Beeton's Reference Book.
 Cal.—California.
 calcul.—calculations.
 Can.—Canada.
 caref.—careful.
 cent.—centennial.
 Chic.—Chicago.
 Cinc.—Cincinnati.
 cl. } cloth.
 clo. }
 col.—colored.
 coll. } collected.
 collect. }
 comp.—compiled, compiler.
 compl.—complete.
 cond.—condensed, conducted.
 consist.—consisting.
 cont.—contained, containing.
 cop.—copies.
 corr.—corrected.
 C. P. C. K.—should be S. P. C. K.
 cwt.—hundred (pounds) weight.
 D. C.—District Columbia.
 decora.—decoration.
 dem.—demy.
 descrip.—descriptive, description.
 desig.—designed.
 determ.—determination.
 ea.—each.
 ed.—edition, edited, editor.
 engrav.—engraved, engravings.
 enl.—enlarged.
 espec.—especially.
 estab.—established.
 estim.—estimating, estimator.
 etc.—et cetera.
 exam.—examination.

exhibit.—exhibition.
 expos.—exposition.
 Fcap.—foolscap.
 Feb.—February.
 flex.—flexible.
 fo. } folio.
 fol. }
 full mor.—full morocco.
 Ga.—Georgia.
 gen.—general.
 geo.—geological.
 governm.—government.
 Half bd.—half bound.
 half Russ.—Half Russia (leather) binding.
 H. H. S.—Half Hour Series.
 hist.—historical.
 hort.—horticultural.
 Ia.—Iowa.
 Ill. } illuminated.
 Illum. }
 illus.—illustrated.
 imit.—imitated, imitations.
 imp.—imperial.
 improv.—improved.
 in.—inches.
 incl. } inclusive, including.
 includ. }
 ind.—industries.
 inform.—information.
 instruc.—instructions.
 introd.—introduction.
 investig.—investigation.
 I. S. S.—International Scientific Series.
 Jan.—January.
 Jap.—Japan.
 jr. } junior.
 jun. }
 jub.—jubilee.
 la.—large.
 leat.—leather.
 lbs.—pounds (weight.)
 lib. } library.
 Lib. }
 lim.—limited.
 Lond.—London.
 manuf.—manufactories, manufacturing.
 Mass.—Massachusetts.
 Md.—Maryland.
 Milw.—Milwaukee.
 Minneap.—Minneapolis.
 mod.—modern.
 mor.—morocco.
 MS.—manuscript.
 n. d.—no date.
 Neb.—Nebraska.
 n. p.—no price, or no place.
 no price—price could not be traced.
 n. r. o. p.—no report of price obtained.
 N. S.—new style (of binding.)

N. Y.—New York.

O.—Ohio.

obl.—oblong.

observ. } observation.
observa. }

o. o. p.—out of print.

organiz.—organizations.

ornam.—ornamental.

P. or p.—post (see sizes.)

pap.—paper cover binding.

Penn.—Pennsylvania.

Pfolio—Portfolio.

Phil. } Philadelphia.
Phila. }

photo. } photography, photographs.
photog. }

photo-eng.—photo-engraving.

pkt.—packet.

pl.—plates.

pop. ed.—popular edition.

prac. } practical.
pract. }

prep. } prepared, preparation.
prepar. }

princ.—principal.

prohib.—prohibition.

pseud.—pseudonym.

pub.—published.

Qualitat.—qualitative.

quantitat.—quantitative.

red.—reduced.

ref.—references.

rela. } relating.
relat. }

rev.—revised.

roy., Roy.—royal.

R. M. L.—Routledges' Miniature Library.

scien.—scientific.

ser.—series.

shp.—sheep (skin) binding.

S. K. A. H. }

S. K. H. }

S. K. M. S. A. H. } South Kensington
Museum Science
and Art Handbooks.

S. K. C. }

S. K. Cat. } South Kensington descrip-
tive and illustrated cata-
logues.

S. K. A. K. }

sm.—small.

soc.—society.

S. P. C. K.—Society for Promoting
Christian Knowledge (Publications).

Springf.—Springfield.

sq.—square.

stat.—statutes.

sub. } subscription (work.).
subs. }

Sup.—Supreme.

supp. } supplement.
suppl. }

sup. roy.—super royal.

thous.—thousand.

tky.—turkey.

T. O. S.—Textbooks of Science.

trans. } translated.
transl. }

U. S.—United States.

v. } volume.
vol. }


V. N. S. S.—Van Nostrands' Science
Series.

vols.—volumes.

w.—with.

Wash.—Washington.

\$ Dollar; c. Cents; £ Pound of Sterling; s Shilling; d Pence.

 All other abbreviations are self-explanatory.

Abbreviations of Sizes Used in the Handy Lists, Part I:

4to.=Quarto.

8vo.=Octavo.

12mo.=Duodecimo.

16mo.=Sedecimo.

18mo.=Octodecimo.

24mo.=Vicesimo Quarto.

32mo.=Trigesimo Secundo.

48mo.=Quadragesimo Octavo.

64mo.=Sexagesimo Quarto.

Cr. 4to.=Crown Quarto.

Cr. 8vo.=Crown Octavo.

Dem. 8vo.=Demy Octavo.

Fcap.=Foolscap.

Fcap. 8vo.=Foolscap Octavo.

Fcap. Fo.=Foolscap Folio.

Fo., Fol.=Folio.

Imp. 4to.=Imperial Quarto.

Imp. 8vo.=Imperial 8vo.

Imp. Fo.=Imperial Folio.

La. 4to.=Large Quarto.

La. Cr. 8vo.=Large Crown Octavo.

La. 12mo.=Large Duodecimo.

Obl.=Oblong.

Obl. 4to.=Oblong Quarto.

Obl. 8vo.=Oblong Octavo.

Obl. 16mo.=Oblong Sedecimo.

Obl. Fo.=Oblong Folio.

P. 4to.=Post Quarto.

P. 8vo.=Post Octavo.

Roy. 4to.=Royal Quarto.

Roy. 8vo.=Royal Octavo.

Roy. 12mo.=Royal Duodecimo.

Roy. 32mo.=Royal Trigesimo Secundo.

Sm. 4to.=Small Quarto.

Sm. Fo.=Small Folio.

Sq.=Square.

Sq. 4to.=Square Quarto.

Sq. 8vo.=Square Octavo.

Sq. 16mo.=Square Sedecimo.

Sq. Cr. 8vo.=Square Crown Octavo.

Sup. Roy. 8vo.=Super Royal Octavo.

The American Law Register.

EDITORS.

HON. THOMAS M. COOLEY, Ann Arbor, Mich. PROF. HENRY WADE ROGERS, Ann Arbor, Mich.
HON. EDMUND H. BENNETT, Boston, Mass. HON. CHARLES H. WOOD, Chicago, Ill.
HON. ELI S. HAMMOND, Memphis, Tenn. JAMES C. SELLERS, Esq., Philadelphia, Pa.
JOHN B. UHLE, Esq., Philadelphia, Pa.

There have been published of THE AMERICAN LAW REGISTER nine volumes of the Old Series and twenty-seven volumes of the New Series to January 1st, 1889. The Old Series contained reports of cases only, without annotations, and ended in November, 1860. In November, 1861, the New Series was begun with leading articles on important questions of law, and our system of annotating the cases. In 1877 a Digest was published in one volume of all the cases in the Old Series and to volume fifteen of the new, with a table of cases, giving reference to the volume and page of the regular series of reports where all the cases in The Register could be found, thus giving the benefit of all reports within reach. A second volume of the Digest, to cover the interval between volumes fifteen to twenty-six inclusive, is about being published in one volume, about the same size as the former one, thus bringing the work down to the commencement of the Third Series, January 1st, 1888.

The profession is flooded with cheap reporters, magazines, and newspapers, until the chaff threatens to exhaust the time and patience, if not the pecuniary ability, of those who are striving to know the most progressive stage of the law. This must necessarily be so in a country like ours, where there are so many State and United States Courts sitting at the same time and adjudicating the same questions; thus, there is reproduced the same principle of law at the same time in a vast multitude of cases. The class of cases worthy of publication and careful reading is not large, and looking to economy of time, the leading cases on the new subjects of modern life need annotating to rapidly illustrate the course by which the court reaches its judgment. Such annotations, from English and American case law, are only furnished in The Register in a trustworthy and readable form.

Again, cases are decided upon repetition of old principles in such suggestive form as to assure us of the continued recognition of the older leading cases. Annotations to such cases are of great value in extending the range of citation and in pointing out variations, arising from the influence of unusual circumstances. And then there are cases which are bold departures from precedent and require review. All of these varieties of cases, with ample annotations, are furnished in The Register in such condensed form, that a single hour's reading would be more valuable than many days' research amongst all the reported cases. And to those who prefer research, the annotations will furnish a mass of reference in orderly arrangement, far superior to any digest or index.

Contributions sent for examination and acceptance cannot be returned unless sufficient postage is furnished.

Contributions are desired, but communications as to the subject matter should first be made to this office.

Address all communications to the publishers, THE D. B. CANFIELD COMPANY, Limited, Drexel Building, S. E. cor. Fifth and Chestnut Streets, Philadelphia, Pa.

Drafts, notes, checks, etc., to be made payable to the order of JOHN B. UHLE, Treasurer. They must not be drawn in favor of agents or collectors.

Annual subscription, Five Dollars, in advance. Send name, postoffice address, and money order or draft. Also, whether back numbers of the current volume are desired.

Binding one dollar. Bound volumes, five dollars, delivered.

Single copies fifty cents each. Any back numbers can be supplied.

Each volume begins with the January number, and embraces the twelve monthly numbers of each year.

Digest, seven dollars per volume. Volume One, digesting volumes one to nine of the Old Series and one to fourteen of the New Series, now ready.

Volume Two, digesting volumes fifteen to twenty-six of the New Series, and including everything in THE REGISTER to January, 1888, ready in March, 1889.

Discount to the Trade on subscriptions and bound volumes.

ERRATA.

N. B.—The users of the "Handy Lists" will confer a favor by reporting any incorrectness they may notice, for prompt rectification in a new edition.

- 179 The initials on the end of the title No. 179 should be **AD**, instead of Ad.
878 The abbreviation in this title, viz: C. P. C. K. should be **S. P. C. K.**, and the initials on the end of the same should be **Sa*** instead of Ch.
1045 The abbreviation in this title should be **B. B. M. I.** instead of B. B. M. J.
1225 Van Falke, J., should be **Falke, J. Van.**
Arming Press should be referred to **Bookbinding**, instead of Printing.
Blue Printing referred to Printing, should be referred to **Copying**, etc.
Processes.
1338a "Indigo table" is inserted wrongly; this title should read as follows:
Houghton's Mercantile Tables, comprising also an "indigo table," etc.
Blackwood's enl. ed. Lond. n. d. Half bd. 21s. (not 10s. 6d.)
Nos. 1450, 1450a, 1451 are misplaced.

PART I.

Useful Arts in General, Products and Processes used in Manufacture, Technology and Trades

- 1 **Abbott, B. V.** Decisions on the law of patents for inventions rendered by English courts since the beginning of the 17th century. Vol. 1, 1662-1833, vol. 2, 1834-38, vol. 3, 1839 Feb.-1843. Wash. 1887. 8vo, shp. \$6.50 each.
Bam.
- 2 **Abbott, B. V.** The patent laws of all nations. Wash. 1886. 8vo, shp. \$13.00.
Bam.
- 3 **Abbott, H. L.** Explosives and torpedoes: experiments and investigations. N. Y. 1882. 4to, \$10.00.
Va.
- 4 **A B C** of modern (dry plate) photography. 22d ed. rev. Lond. (1885), 1887. 12mo, 1s 6d and 1s.
Lv.
- 5 **Abney, R. E.** Photography and the spectroscope. Two Cantor lectures. Lond. 1885. Pap. 50c.
Sae—Ru.
- 6 **Abney, R. E.** Recent advances in photography. Four Cantor lectures. Lond. 1882. Pap. 50c.
Sae—Ru.
- 6a **Abney, W. de W.**, and Robinson, H. P. Art and practice of silver printing. 2d ed. Lond. 1888. P. 8vo, pap. 2s 6d.
Mu—Ph.
- 7 **Abney, W. de W.** Instructions in photography. 5th ed. Lond. 1882. P. 8vo, 3s. The same, 6th ed. 1884. 12mo, 3s 6d.
Ph.
- 8 **Abney, W. de W.** Negative making on gelatine plates. Lond. 1887. 12mo, 1s.
Ph.
- 8a **Abney, W. de W.** Practical working of the gelatine emulsion process. Lond. 1880. 12mo, pap. 1s 6d, 60c.
Ph—Va.
- 9 **Abney, W. de W.** Photography, with emulsions. 2d ed. Lond. 1882. 12mo, 3s, \$1.00.
Mu—Ph.
- 10 **Abney, W. de W.** Treatise on photography. 5th rev. and enl. ed. Lond. 1888. 12mo, 3s 6d. \$1.50
Mu—Lw.
- Absinthe* 1203, see 123, 384*; see also Bartenders' Guides—Distillation—Gin—Liqueurs—Liquors.
- Acid*—16, 16a, 371b, 1159, see 384*, 864 parts 1, 2, 3; 918 vol. 2;—Acetic, 371b, see 384*—Carbolic, see 384*, 864 part 11;—Nitric, 604—Perchloric, see 402—Phosphoric, see 1523—Sulphuric, 592, 593, 603, 604; see 384*, 1355, 1375, 1498.
- 11 **Adams, W. I. L.** The photographic instructor for the practical photographer and amateur: with appendix by Prof. C. Ehrmann. Illus. N. Y. 1888. 8vo, cloth \$1.25, pap. 75c.
Sd.
- Aerated Waters*, see 864 part 6; see also Mineral Waters.
- Aeronautics* 235, 1118, 1388, 1431, 1581; see also Ballooning—Fly Wheel.
- Agricultural Implements and Engines*, see 865a part 1; 1505a parts 1, 2; see also Barn-implem.—Barn-machinery—Farm-conveniences—Farm-implem.
- Alatypes* 140, see also Printing.
- 12 **Album** for crests, monograms, coats of arms, ornament. dies, etc. Lond. 1882. Sq. 16mo, 1s and 1s 6d.
Me.
- 13 **Album** of fancy alphabets: a practical work for sign painters and designers. N. Y. 1886. 4to, 75c.
Ed.
- Alcohol* 16, 16a, 121, 875a, 1203, 1465, see 281a, 864 parts 3, 4; 384*, 402; see also Brandies—Distillation—Gauging—Liquors—Rectifying—Rum—Spirit—Whiskey.
- Ale* 619a, 1095, 1400, 1436, see 384*; see also Beer—Porter—Stout.
- 14 **Alford, M.** Needlework as art. Lond. 1886. 8vo, 42s. Large pap. 4to. 84s. Same, new issue, Lond. 1887. Roy. 8vo, 21s.
Lab.
- Alizarin*—artificial, 1064; see also Anthracen.
- Alkali* 592, 593, 603, 604, see 119, 242, 384*, 864 parts 4, 5; 1159, 1355; see also Candles—Potash—Soap.
- 15 **All** about the cocoanut palm, planting and cultivation, with estimates. Lond. 1885. 8vo, 5s.

- 16 **Allen, A.** Commercial organic analysis: modes of assaying the chemicals and products employed in arts, manufactures, etc. 2 vols. Lond. 1879, '82. 8vo. Vol. 1: Cyanogen compounds, alcohols and their derivatives, phenols, acids, etc. 1879. 10s 6d. \$3.50.—Vol. 2: Hydrocarbons, fixed oils and fats, sugar, starch, and its isomers, alkaloids, and organic bases, etc. 1882. 15s. \$5.00.
Bac—Co—V—Va.
- 16a **Allen, A.** The same. 2nd rev. ed. 3 vols. Lond. 1886. 8vo. Vol. 1: Alcohols, ethers, acids, starch, etc. 14s. \$4.50.—Vol. 2: Fixed oils, fats, coloring matters, etc. 17s 6d. \$5.00.—Vol. 3: Cyanogen compounds, alkaloids, animal products, etc., in press.
Bac—Co—Mu—V—Va.
- 17 **Allen, F. H.** Violin making as it was and is. Illus. Lond. 1885. 8vo, 10s 6d. \$3.00. Mu—Wb.
- 17a **Allen, H. B.** The useful companion and artificer's assistant. A complete encyclopedia of valuable information, including thousands of valuable receipts, formulas, processes, trade secrets, mathematical tables, etc. Phila. 1881. 8vo, cloth \$2.50. Li—Va.
- 18 **Allnutt, H.** Wood pavement on Kensington High Road, with notice of similar works in Chelsea. Lond. 1881. 1s. 40c. Sai.
Alpaca 438, see 384*, 918, vol. 1; see also Wool.
Alphabets 13, 68, 273a, 274, 275a, 318, 483, 765, 827, 1047, 1051, 1105, 1171, 1184, 1187, 1188, 1304, 1362b, 1399, 1425, 1447, 1500, 1587; see also Crests—Initials—Lettering—Monograms—Ornaments—Scrolls.
Alum 371b, see 384*.
Aluminium 777, see 587, 1409, 1505a, part 2.
- 19 **Amateur Work**, 7 vols. with designs, sketches and working drawings, etc. Lond. 1882–88. 4to, 7s 6d. \$3.50 each. Mu—Ri—Wb.
- 20 **Amelie, Mdme.** Brass repousse work. Lond. 1885. Oblong 8vo, 2s. Ah.
Amenities of Home 834; see also Beautifying Houses—Bric a Brac—Knick-knack—Needlework—Tapestry—Wall-paper.
American Sheet Iron Working, see 163.
Anamonia 371b, 602, 604; see 384*.
Anamniacal Liquor 601
- 21 **Anderson, R.** Lightning conductors; their history, nature, and mode of application. 3d rev. ed. Illus. Lond. 1885. 8vo, 12s 6d. \$5.00. Mu—Sai—Va.
- 22 **Andres, E.** Fabrication of volatile and fat varnishes, lacquers, siccatives and sealing waxes. Trans. by Wm. T. Brannt. Illus. Phila. 1882. 8vo, \$2.50, 12s 6d. Bb—Hm—Lab—Sai.
- 23 **Andrew, J.** The Pendulograph: series of Bi-Pendulum writing. Lond. 1881. Sq. 16mo, 10s. Bm.
- Aneroid*, see Barometers.
- 24 **Aneroid Barometer (The):** Its construction and use. Comp. from several sources. 2d rev. ed. N. Y. 1881. 16mo, bds. 50c, mor. \$1.00. Va.
- 25 **Aneroid Barometer (The):** How to buy and how to use it, by a fellow of the meteorolog. soc. 31st thous. Illus. Lond. 1885. Cr. 8vo, pap. 6d. Hal.
Angora Goat 438, 918, vol 1; see also Wool.
Aniline Colors 1174, 1461; see 281a, 384*, 1401.
Animal Charcoal Machinery, see 865a part 2; 1505a part 4.
Animal Commercial Products 16, 16a, 841; see also 918 vol. 1; see also Commercial Products.
Animal Food 741a, 841a.
Anthracen 1064; see also Alizarin.
Anthra-purpurin 1064.
Antimony, see 384*, 552, 587, 865a part 2; 918 vol. 4; 1505a part 4.
Antrim, Book of, 60a; see also Industries—Manufacturing.
Anvil, see 1505a part 4; see also Forge—Horseshoeing.
Applique Work 995a; see also Embroidery—Needlework.
- 26 **Arlot, M.** Complete guide for coach painters. Trans. by A. A. Fresquet. Phila. 1884. 12mo, \$1.25. Bb—Caa—Cag—Sai—Va.
Arming Press, see 1505a parts 4, 5; see also Printing.
Arms and Armour 1189, see 918 vol. 1; 1359, 1505a parts 5; 46, 47; see also Art of the Saracens—Damascus Wares—Guns—Pistols—Revolvers—Rifle—Weapons.
- 27 **Arnold, E. L.** Coffee: its cultivation and profit. Lond. 1888. 8vo, 10s 6d. \$4.20. Mu—Waf.

- Aromatic Waters*, see 1203; see also Liqueurs.
Arranging Fabrics and Dresses 663i; see also Dress.
Arsenic, see 864 part 6 and 1505a part 5; see also Bismuth.
Art Furniture 1266a; see 918 vol. 1; see also Carved Oak—Furniture—Mosaics.
- 28 **Art Needlework**. Complete manual of embroidery in silks and crewels. Lond. 1883. 4to, 10s 6d. \$3.50. Ri—Wb.
- 29 **Art of Tea Blending**. Handbook for the tea trade; a guide to tea merchants, brokers, dealers and consumers, in the secret of successful tea mixing. Lond. 1882. 8vo, 3s 6d. Waf.
- 29a --The same. 3d ed. Lond. 1888. Cr. 8vo, 3s 6d. \$1.50. Mu—Waf.
- Art of the Saracens* 735a.
Art tiles, see 258; see also Tiles.
Art—Useful 118a, 265; see also Artisan—Handicraft—Needlework.
Artesian Well, see 1505a part 5; see also Well.
Artificial Eyes—Manufacture of, see 123.
Artisan 1136; see also Art Useful—Handicraft.
- 30 **Artistic** Furnishing. (All about it books.) Lond. 1885. 2s 6d. Wb.
- 30a **Artistic Japan**. A monthly illustrated journal of arts and industries. Conducted by S. Bing. No. 1. Lond. 1888. Royal 4to, 2s. Lab.
- 31 **Ashenhurst, T. R.** Album of textile designs. Containing upwards of 7000 patterns suitable for fabrics of every description, etc. Bradford 1881. Folio, 15s. \$6.00. Bb—Su.
- 32 **Ashenhurst, T. R.** Designs in textile fabrics, with 10 col. plates and 106 diagrams. Lond. 1883. Foolsap, 4s 6d. \$2.00. Bb—Cd—Mu.
- 33 **Ashenhurst, T. R.** Practical treatise on weaving, etc. 3d ed. Lond. 1885. 8vo, 12s 6d. \$5.00. Sai—Su—Va.
- 33a **Ashenhurst, T. R.** Practical treatise on weaving and designing of textile fabrics. 4th ed. (Broadbend) Lond. 1888. 8vo, 12s 6d. Su.
- 34 **Ashenhurst, T. R.** Treatise on textile calculations and the structure of fabrics (Bradford). Lond. 1886. 12mo, 5s. \$2.00. Bb—Su.
- 35 **Ashenhurst, T. R.** Weaving and designing textile fabrics. 2d ed. Lond. 1883. 8vo, 12s 6d. \$6.00. Bb—Su.
- 36 **Ashley, W. J.** The early history of the English woolen industry. Balto. 1887. 8vo, pap. 75c. Maa.
- 37 **Ashton, T.** Patents, designs and trade marks act, 1883. Lond. 1884. 12mo, 6s. Roy. Sam.
- Asphalte*, see 384*, 675*, 864 part 6; see also Cement—Paving.
- 38 **Aspin, J., and Rijnberg, A. W.** Sugar merchants and grocers' calculator. Lond. 1882. 8vo, 10s 6d. Bab.
- 39 **Atkinson, E.** Distribution of products; mechanism, etc. 2d ed. N. Y. 1885. 12mo, \$1.50. Paa.
- 40 **Attfield, J.** Water and water supplies and unfermented beverages. Lond. 1884. 8vo, 1s. Cac.
- 41 **Audsley, W. and G.** Color in dress; manual for ladies. Phila. 1881. 25c. Pap. Jm.
- 42 **Audsley, W. and G.** Outline of ornaments in all styles. Lond. 1882. Sm. folio, 31s 6d. \$12. Lab—Si.
- 43 **Audsley, W. and G.** Polychromatic decoration, in building in Mediæval styles. Lond. 1882. Fo. 60s. Sag.
- Awings*, see 1346a; see also Trimming Trades.
- Axles and Axle-boxes*, see 865a part 2; 1505a part 7; see also Carriage—Wheels.
- 44 **Ayres, Mrs.** Mirror painting in the Italian style for amateurs. Lond. 1885. 8vo, 1s. Go.
-
- 45 **Babbington, C.** Tuning and repairing pianofortes: amateurs' guide. Lond. 1881. P. 8vo, 6d. Bk.
- 46 **Badenoch, J. G.** Art of letter painting made easy. 4th ed. Lond. 1888. 12mo, 1s 6d. Lp—Mu.
- 47 **Bagot, Canon.** Easy lessons in dairying. 2d ed. Lond. 1883. 6d and 4d. Su.
- 48 **Baildon, S.** Tea industry in India, a review for capitalists and assistants. Lond. 1882. 8vo, 10s 6d. Af.
- 49 **Bailey, J. M.** Book of ensilage; or, the new dispensation for farmers. Billerica, Mass. 1880. \$2.00. B.

- Bakehouses* 808; see also *Baker*.
- 50 **Baker, Harriet.** High school needlework and cutting-out manual. Lond. 1886. 12mo, 1s. Gag.
- 50a **Baker, J. F.** Treatise on the law of sales of goods, wares, and merchandise as affected by the statute of frauds. Chic. 1887. 8vo, shp. net \$5.00. Cf.
- Baker and Baking* 478, 808, 1006, see 384* 1007, 1401; see also *Bakehouses*—*Barley*—*Biscuits*—*Bread*—*Bread-machine*—*Buckwheat*—*Cakes*—*Cereals*—*Confectionery*—*Flour*—*Grains*—*Ice Cream*—*Pastry*—*Pies*—*Rye*—*Syrup*—*Tarts*—*Wheat*—*Yeast*.
- Baking Powder*, see 384*, 402, 1346a, 1401.
- Balance Spring* 1338, see 1505a part 7; see also *Weights*.
- 50b **Baldwin, A. A.** Loom-fixers' manual. N. Y. 1883. 12mo, \$1.50. Bb.
- 51 **Baldwin, W. J.** Steam heating for buildings; hints to steam fitters. Illus. N. Y. 1883. Same, 8th ed. N. Y. 1887. 16mo, each \$2.50. Caa—Cag—Sai—Wag—Wal.
- 52 **Bale, M. P.** Saw mills: their arrangement and management, and conversion of timber. Illus. Lond. 1881–1883. P. 8vo, 10s 6d. \$4.25. Lp—Mu.
- 53 **Bale, M. P.** Stone working machinery and rapid conversion of stone. Lond. 1884. P. 8vo, 9s. \$3.50. Lp—Mu.
- 53a **Bale, M. P.** Woodworking machinery: its rise, progress and construction; with hints on the management of saw mills and conversion of timber. Illus. Lond. 1880. P. 8vo, 12s 6d. \$5.00. Lp—Mu.
- 54 **Ballin, Ada S.** Science of dress in theory and practice. Lond. 1885. P. 8vo, 6s. Lab.
- Ballooning* 634, 663o, 1390, see 1346a; see also *Aeronautics*.
- Balsams*, see 918 vol. 2; see also *Perfumes*—*Toilet Articles*.
- 55 **Bamford, Mrs. C. E.** Silk culture: handbook for silk-growers. N. Y. 1886. 12mo, pap. 30c. Ju.
- Band Saw*, see 19, vol. 3; see also *Saws*.
- Barbotine Painting* 645, see also *Painting* 19, vol. 3.
- Barley* 360a, 951, see 236, 384*; see also *Baker*—*Cereals*—*Grains*.
- 56 **Barlow, A.** History and principles of weaving by hand and by power, with chapter on lace-making machinery. 3d ed., illus. Lond. 1884. 8vo, 25s. \$10.00. Bb—Lab—Mu—Va.
- 57 **Barlow, W. H.** Normal photography, adapted to all styles of reporting. Phila. 1886. 12mo, \$1.00. Li.
- 58 **Barnett, Edith A.** Common sense Clothing. Lond. 1882. P. 8vo, 2s 6d. \$1.00. Ri—Wb.
- 59 **Barnett, Edith A.** Ladies' dress book: what to wear and how to wear it. Lond. 1885. P. 8vo, 2s 6d. Wb.
- Barn-Implements* 819; see also *Agricult. Implem.*—*Farm-conveniences*—*Farm-implements*.
- Barn-Machinery*, see 865a part 2; 1505a parts 7, 8.
- Barometers* 24, 25, 734; see also 19 vol. 1; 1401, 1505a part 8; see also *Optician*—*Thermometers*.
- 60 **Barron, A. F.** Vines and vine culture: cultivation of the grape vine. Lond. 1883. 8vo, 10s. \$4.00. Bb—Jr—Mu.
- Bartenders' Guides* 164, 512, 923, 924, 1049, 1076, 1106, 1137; see also *Cider*—*Distillation*—*Elixirs*—*Essences*—*Filters*—*Gauging*—*Liqueurs*—*Liquors*—*Rectifying*—*Whiskey*—*Wine*.
- Baskets*, see *Strawplait*.
- 60a **Bassett, G. H.** The book of Antrim: manual and directory for manufacturers, merchants, traders, professional men, etc. (Dublin). Lond. 1888. P. 8vo, 2s 6d and 3s 6d. Su.
- Antrim (Ireland) is noted for her large cotton, linen, wool and textile industries.
- 61 **Batley, A. W.** Series of studies for furniture, decoration, etc. Lond. 1883. Imp. folio, 52s 6d. Lp.
- 62 **Batty, Jos. H.** Practical taxidermy and home decoration. Illus. N. Y. 1880. 12mo, \$1.50. Fr—Ju—Mu—Va.
- 63 **Baxter, Sylv.** The Morse collection of Japanese pottery. Illus. Bost. 1887. Folio, pap. \$1.00. Te.
- 64 **Bayley, T.** Pocket-book for chemists, chemical manufacturers, metallurgists, dyers, distillers, brewers, photographers, sugar refiners, etc. 4th ed. (1878.) Lond. 1886. 32mo, roan 5s. \$2.00. Mu—Sai.

- Bazaars* 71, 374, 398a, 890; see also *Fairs*.
- 65 **Beard, J. C.** *Painting on china; what to paint and how to paint it.* N. Y. 1882. Sm. 4to, \$1.00. Di—Mu.
- 66 **Beasley, H.** *Druggists' general receipt-book, comprising veterinary formulae, recipes in patent etc. medicines, perfumery and cosmetics, beverages, scientific processes, etc.* 9th rev. ed. Phila. 1886. 16mo, \$2.25. Bac.
- 66a **Beaumont, Rob.** *Woolen and worsted cloth manufacture, being a practical treatise for the use of all persons employed in the manufacture of textile fabrics.* Illus. N. Y. 1888. 12mo, \$2.50. Bb—Mu—Wag.
- 67 **Beautiful House and enchanted garden.** Lond. 1885. Sq. 16mo, 1s and 6d. Ho.
- 68 **Beautiful Letters:** book of alphabets, initials, monograms, and ornaments. Hartford, Conn. 1881. 12mo, 75c. Fo.
- Beautifying Houses* 67, 223, 682, 834, 1018; see 1470a; see also *Amenities—Awnings—Bric-a-Brac—Buhlwork—Cabinet-making—Curtains—Draperies—Floor-cloth—Furniture—House-decorating—Household elegancies—House-painting—Knick-Knack—Ornaments—Screens—Tapestry—Wall-painting—Wall paper.*
- 69 **Beck, S. W.** *The drapers' dictionary: a manual of textile fabrics.* Lond. 1882. P. 8vo, 3s 6d. Cae—Wd.
- 69a **Beck, S. W.** *The glove: a chapter of trade and social history.* Illus. Lond. 1883. Cr. 8vo, 7s 6d. Hb.
- Beds* 223, see 384*; see also *Feathers—Furnishing houses—Furniture—Mattresses—Pillows.*
- Bed-Feathers*, see *Feathers*.
- 70 **Beebe, C. D.** *Lace, ancient and modern, with history of its origin and manufacture.* N. Y. 1880. 8vo, \$3.00, red. \$1.00. Sl.
- Beer* 922, 1095, 1429, 1436; see 384*, 619a, 864 parts 6, 7; 1346a, 1400; see also *Ale—Bartenders' Guides—Brewing—Hops—Intoxicating Drinks—Malt—Porter—Stout.*
- 71 **Beetons' Bazaar and fancy fair book.** Lond. 1887. Cr. 8vo, 3s 6d. \$2.00. Ri—Wb.
- 71a **Beetons' Dictionary of industries and commerce.** Illus. Lond. 1888. Roy. 8vo, 7s 6d. Ri—Wb.
- 72 **Beetons' Ladies' book of work.** Lond. 1887. Cr. 8vo, 3s 6d. \$2.00. Wb.
- 73 **Beetons' Ladies' fancy needlework.** Lond. 1887. Cr. 8vo, 3s 6d. \$2.00. Ri—Wb.
- 73a **Beginners' guide to photography:** showing how to buy a camera and how to use it, etc. By a fellow of the chemical society. 2d ed., Lond. 1888. 12mo, 1s. Pg.
- 74 **Bell, J.** *Analysis and adulteration of foods. Part 1: tea, coffee, cocoa, sugar, etc.* Lond. 1881. P. 8vo, 2s 6d. \$1.25. Ch—Mu.
- 75 **Bell, James.** *Analysis and adulteration of foods. Part 2: milk, butter, etc.* Lond. 1883. P. 8vo, 3s, \$1.25. Ch—Mu.
- Bells* 198a, 673, 1081, 1190, see 865b, 1505a part 10; see also *Bell-ringing.*
A full list on Bells will be found in part 3.
- Bell-(Change-)Ringing* 673, 708a, 852, 853, 854, 1081, 1190, see also *Bells.*
- 76 **Bemrose, Wm.** *Manual of wood carving: practical instructions.* 16th ed. Illus. Lond. 1887. 4to, 5s. \$2.00, \$3.00. Bb—Bu—Caa—Mu—Wal.
- Bench Circular Saw*, see 19 vol. 6; see also *Saws.*
- Benchwork* in wood 384b; see also *Lathe—Turning—Wood.*
- 77 **Benedikt, R.** *Coal tar colours, trans. by E. Knecht.* Illus. Lond. 1886. 12mo 5s. \$2.00. Bb—Lp.
- 78 **Benjamin, M.** *Sugar analysis; description of methods used in estimating the constituents.* N. Y. 1880. 8vo, pap. 25c. Mu—Va.
- 79 **Benjamin, S. G. W.** *Group of etchers, with text.* N. Y. 1882. \$15.00. Do.
- Berlin Work* 215, 663c, 1271, 1362a; see also *Embroidery—Needlework.*
- 80 **Birmingham, E. J.** *Disposal of the dead. (Plea for cremation).* Lond. 1881. 12mo, 2s. Ba.
- 81 **Bernhard, W.** *The book of one hundred beverages.* 4th ed. Lond. 1882. 6d. Hal.
- 82 **Bertholet, M.** *Explosives and explosive compounds. (V. N. S. S.)* N. Y. 1883. 18mo, bds. 50c. Sai—Va.
- 83 **Bevan, G. P.** *Handbook to the industries of the British Isles and U. S.* Lond. 1882. 12mo, 4s 6d. Bad.

- Beverages* 40, 66, 81, 1106, 1360, see 123, 384*, 864 parts 7, 8; see also *Bartenders* G.—*Plants* used in the prep. of B.
- Beverages* non-alcoholic 822a; see also *Carbon*—*Carbon Comp.*—*Mineral Waters*—*Nitrate of Soda*.
- 84 **Beynon, R.** The drapers' assistant. Lond. 1885. 12mo, 1s. Hal.
- 85 **Bicknell, A. H.** Original etchings; with an introduction and notes by W. Howe Downes. N. Y. 1887. Folio, \$10.00. Do.
- Bicycles*, construction and manufacture 861, see also *Tricycles*—*Velocipedes*.
- 87 **Billings, J. S.** Principles of ventilation and heating, and their practical application. Illus. N. Y. 1884. 8vo, \$3.00. 15s. Caa—Mu—Tr—Wal.
- Binding Magazines*, see 19 vol. 6; see also *Bookbinding*.
- 88 **Bird, F. J.** The American practical dyers' companion; 800 receipts, with 170 dyed samples. Phila. 1882. 8vo, \$10.00. 42s. Bb—Lab—Mu.
- Bird Cages*, see 19 vol. 3; 865a part 5; see also *Fretcutting*—*Hardware*—*Wire*.
- Biscuits* 399b, 997a, 1067; see 384*, 1387, 1401; see also *Baker*—*Confectionery*.
- Bismuth*, see 384*, 552, 918 vol. 4; 1456a, 1505 part 11; see also *Arsenic*—*Sulphur*.
- Bitters* 121, 1137, 1360, 1400; see 123, 281a, 384*, 402, 865; see also *Bartenders* G.—*Liqueurs*—*Liquors*.
- 89 **Bjoerling, Ph. R.** Practical handbook on pump construction, with 9 Folding pl. Lond. 1887. 8vo, 5s. \$1.50. Mu—Sai—Wal.
- 90 **Black, J.** Gas-fitting; a handbook of gas laying and fitting. Lond. 1886. 12mo, 2s 6d. \$1.00. Lp—Wal.
- Blacking*, see 123, 281a, 384*, 1007, 1401; see also *Lubricants*.
- 91 **Blades, W.** Biography and typography of Wm. Caxton, England's first printer. 2d cheap ed. Lond. 1881. 8s. Si—Tr.
- 92 **Blades, W.** Numismata typographia, the metallic history of printing. Lond. 1883. 4to, 10s 6d. Pv.
- 92a **Blagrove, G. H.** Marble decoration, and the terminology of British and Foreign marbles; handbook for students. Illus. Lond. 1888. P. 8vo, 3s 6d. \$1.40. Lp—Mu.
- 92b **Blair, A. A.** The chemical analysis of iron; complete account of all the best-known methods for the analysis of iron, steel, pigiron, iron ore, limestone, slag, clay, sand, coal, coke, and furnace and producer gases. Phila. 1888. 8vo, \$4.00. Li.
- 92c **Blake, W. P., ed.** History of the town of Hamden, Conn., with an account of the centennial celebration, June 15, '86. Prepared and pub. by the authority of the town. New Haven, Conn. 1888. 8vo, \$3.00. Pu.
- 93 **Blanc, C.** Art in ornament and dress, transl. from the French. Lond. 1881. 8vo, 3s 6d. Ch.
- Blankets*, see 384*, 1346a; see also *Mattresses*—*Wool*.
- Blasting* compounds, see 123, see also *Explosives*.
- Blasting* powders see 123, see also *Explosives*.
- Bleaching* 371c, 808a, 1093, see 88, 123, 281a, 384* 402, 864 parts 8, 9; 918 vol. 1; 921a, 1007, 1309, 1401, 1423, 1424, 1496; see also *Acid*—*Alkali*—*Ammonia*—*Bleaching-powder*—*Calico-Bleaching*—*Cal.-Printing*—*Chlorates*—*Chlorine*—*Dyeing*—*Scouring*—*Soap*—*Soda*—*Sulphur*.
- Bleaching*, bone, ivory, etc., see 123; see also *Bleaching*—*Ivory*.
- Bleaching* powder 592, 593, see 864 part 8; 1355.
- Blending*, see *Distillation*—*Liquors*.
- 95 **Blinn, L. J.** Practical workshop companion for tin, sheet-iron and copper-plate workers. Illus. Phila. 1880. Same, new ed., Phila. 1888. 12mo, \$2.50. Bb—Hm—Mu—Sai—Va.
- Blowing* Glass, see *Glass*.
- Blue* Printing, see 19 vol. 3; see also *Printing*.
- 96 **Blunt, S. E.** Instructions in rifle and carbine firing in the U. S. army. Lond. 1885. Roy. 32mo, 8s 6d. Lab.
- 97 **Blunt, S. E.** Same. N. Y. 1886. 8vo, net \$2.00. Se.
- Boarding* Houses, 399a; see also *Innkeeper*.
- 98 **Bock, J.** Zincography in connection with letterpress printing. Trans. by Menken. Lond. 1887. P. 8vo, 2s 6d. \$1.00. Mu—Way.
- 99 **Boddy, E. M.** History of salt; geographical distribution, geological form, etc. Lond. 1881. 8vo, 2s 6d. \$1.25. Ba—Mu.
- Boiling* Sugar, see *Sugar*.

- 100 **Bolas, Th.** Recent improvements in photo-mechanical printing methods. Three Cantor lectures. Lond. 1884. 50 cts. Ru—Sae.
- 101 **Bolas, Th.** Some of the industrial uses of the calcium compounds. Four Cantor lectures. Lond. 1882. 50c. Ru—Sae.
- *Bone*, Bleaching, Dyeing—Imitating, see 123; see also Bleaching.
- *Bone* Mill, see 1505a part 16; see also Fertilizers.
- 102 **Bonwick, J.** Romance of the wool trade. Lond. 1887. P. 8vo, 7s 6d. Gag.
- 103 **Book of Knots**; complete treatise on the art of cordage. 5th ed. Lond. 1882. Sq. 16mo, 2s 6d. \$1.00. Bad—Va.
- Bookbinders*, addresses of, see 333.
- Bookbinding* 237, 250, 294, 396, 466, 681, 766, 1041, 1419, 1582; see 19 vols. 1, 2; 123, 505, 588, 918 vol. 4; 1032, 1506; see also Binding Magazines—Card-board—Folding—Glue—Lining Oil Paintings—Map-mounting—Marbling—Mounting Photos—Paper used in Bookbinding—Papier-mache—Parchment—Pastes—Tools.
- 104 **Bool, A. H.** Art of photographic painting. Lond. 1887. 12mo, 1s. Ph.
- 104a **Booth, L.** Marble workers' manual, complete and practical. Lond. 1882. 12mo, 7s 6d. Mu—Sai.
- Boot and Shoe Making* 572, 835, 835a, 1025; see 19 vols. 1, 2, 6; 384*, 1401; see also Hides—Leather.
- Bootmaking Machinery*, see 1505a part 16.
- Borax*, see 384*, 864 part 9; 1346a; see also Laundries—Washing.
- Bordeaux Wine* 341a, see 384*; see also Wine.
- 105 **Borrowdale, W.** Original designs of headstones, crosses, etc. Lond. 1881. Roy. 8vo, 17s 6d. Hb.
- 106 **Bouchot, H.** The printed book; its history, illustration, and adornment, from the days of Gutenberg to the present time. Trans. and enl. by E. C. Bigmore. Lond. 1887. 8vo, 9s. \$2.50. Gad—Si.
- 107 **Boulton, S. B.** Preservation of timber by the use of antiseptics. (V. N. S. S.) N. Y. 1885. 18mo, bds. 50c. Va.
- 108 **Bousfield, G.** Timber merchants' and builders' vademecum. 3d ed. Lond. 1884. P. 8vo, 2s 6d. \$1.00. Caa—Sai.
- 109 **Bousfield, W. R.** Patents, designs, and trade marks act, 1883. Lond. 1883. 8vo, 8s. Sav.
- 110 **Bowes, J. L.** Japanese enamels, with illus. from a collection. Lond. 1884. Imp. 8vo, 21s. Q.
- 110a **Bowes, J. L.** Japanese marks and seals, upon pottery, illum. MS. and printed books, lacquer, enamels, etc., comprising 1300 marks and seals. Illus. Lond. 1882. Imp. 8vo, £2 2s. Q—Sag.
- 110b **Bowes, J. L.** Ceramic art of Japan, with 32 pl. and illus. Lond. 1881. Imp. 8vo, £2 2s. Q—Sag.
- 111 **Bowman, F. H.** The structure of cotton fibre in its relation to technical applications. Illus. Manchester 1881. 8vo, 10s. \$4.00. Bb—Su—Wag.
- 112 **Bowman, F. H.** The same. 2d ed. Lond. 1882. 8vo, 16s. \$6.50. Bb—Mu—Su.
- Bows*, Violin, see 19 vol. 2; see also Violin.
- Boxes* 701a; see 19 vol. 2; 1346a, 1466; see also Case-making—Lumber—Pack-ing—Planing Mill.
- 113 **Boyce.** Fresco and decorative designs: 16 pages of designs. Bost. 1883. Obl. \$3.50. Da—Mu—Va.
- 114 **Bracket Book of fretwork patterns**: designs, 3d series. Lond. 1885. Folio, 1s. Ban.
- Brackets* 114. 1586; see 19 vols. 2, 3; 374; see also Cabinet-making—Fret-cutting—Furniture.
- 114a **Bradshaw, M.** Indian outfits. Lond. 1888. 12mo, pap. 1s. Mac.
- 115 **Bramwell, W. C.** The wool carders' vademecum, complete manual of the art of carding textile fabrics. 3d rev. ed. Illus. N. Y. 1881. 12mo, \$2.50. O. o. p. Bb—Mu—Va.
- 116 **Branchardiere, R. de la.** Irish lace instructor, Spanish lace, etc. Lond. 1886. 4to, 1s. Su.
- 117 **Branchardiere, R. de la.** Modern Orris lace for gold, etc. Lond. 1885. 16mo, 1s 6d. Su.
- 117a **Branchardiere, R. de la.** Pretty crochet edgings. Lond. 1888. Obl. 16mo, pap. 4d. Su.

- 118 **Branchardiere, R. de la.** Winter book, 1886; needlework sketches, etc. Lond. 1885. Sq. 16mo, 6d. Su.
Brandies 1137, 1203, 1400; see 384*; see also *Bartenders' G.—Liquors.*
- 118a **Brannt, Wm. T.** The metallic alloys; practical guide for the manufacture of all kinds of alloys, amalgams and solders used by metal workers; together with their chemical and physical properties, and their application in the arts and the industries, with an appendix on the coloring of alloys, trans. and ed. chiefly from the German of A. Krupp and A. Wildberger, with add. by W. T. Brannt. Phil. 1888. 12mo, \$2.50. Bb.
- 119 **Brannt, Wm. T.** Practical treatise on the manufacture of soap and candles. Illus. Phila. 1888. 8vo, \$7.50. 35s. Bb—Lab—Mu.
- 120 **Brannt, Wm. T.** Practical treatise on animal and vegetable fats and oils. Illus. Phila. 1887. 8vo, \$7.50. 35s. Bb—Lab—Mu.
- 121 **Brannt, Wm. T.** Practical treatise on the raw materials and the distillation and rectification of alcohol, and the preparation of alcohol liquors, liqueurs, cordials, and bitters. Illus. Phila. 1886. 12mo, \$2.50. Bb—Mu—Va.
- 122 **Brannt, Wm. T.** Practical treatise on varnishes, lacquers, siccatives, and sealing waxes. Phila. 1882. 12mo, \$2.50. Bb—Mu.
- 123 **Brannt, Wm. T., and Wahl, Wm. H.** The techno-chemical receipt book; containing several thousand receipts of the latest discoveries in chemical technology, and their application in arts and industries. Illus. Phila. 1886. 12mo, \$2.00. Bb—Hm—Mu—V—Va—Wal.
- 124 **Brant, E. M.** Systematic cutting-out from units of measurement. Lond. 1884. P. 8vo, 2s. Saf.
Brass 387, 552; see 384*, 918 vol. 3; 1281, 1346a, 1381a, 1401, 1429*, 1484; see also *Repousse Work—Tinsmithing.*
Brass Facing, see 1022; see also *Stereotyping.*
Brass Repousse Work 20, 565, 569, 645; see also *Repousse Work.*
- 125 **Bread, cake and cracker baker (The complete.)** 2d rev. ed. 2 parts. Chic. 1887. 12mo, \$2.00. Ge—Mu.
Bread 506, 686, 778, 908, 976, 1067, 1387; see 384*, 997a, 1346a, 1401, 1456a; see also *Alum—Baker.*
Bread Machine, see 1505a part 20; see also *Baker.*
Brewing 64, 126, 338, 338*, 372, 453, 475, 531, 578, 596, 814, 857, 872, 922, 1057, 1099, 1229, 1434, 1436, 1444, 1450, 1502, 1593; see 123, 281a, 384*, 617a, 1007, 1456a; see also *Beer—Fermentation—Hops—Malt.*
Brewing Apparatus, see 1505a parts 20, 21.
- 126 **Briant, L.** Laboratory text-book for brewers. Lond. 1885. P. 8vo, 10s 6d. Bak.
Bric-a-brac 386a, see 19 vol. 1; Japanese, cabinet for, see 19, vol. 1; Wood for, see 19, vol. 1; see also *Amenities—Beautifying—Knick-knack.*
Brick 258, 381a, 407a, 675*, 739, 969, 1185, 1198, 1557; see 384*, 463a, 918 vols. 2, 3; 964a; see also *Brickwork—Building Materials—Clay—Coignet Beton—Fire Brick—Masonry.*
Bricklaying 407a, 408, 969, 1080, 1179; see 918 vols. 1, 3, 4.
Brickmaking Machinery, see 865a parts 3, 4; 1505a part 21.
Brickwork 675*, 969, 1130, 1131, see 918 vol. 1; 964a; see also *Brick—Foundations—Marble—Masonry—Stonework.*
- 127 **Brietzcke, H. K., and Rooper.** Lessons in plain needlework and knitting. Lond. 1885. P. 8vo, 3s 6d. Saf.
- 128 **Briggs, Rob.** Steam heating. 2d ed., with additions by A. R. Wolff. N. Y. 1888. 16mo, bds. 50c. Va.
- 129 **Brine, F.** British decorations from year 1348 to present time. 6th ed. Lond. 1881. 8vo, 2s. 8th ed. 1884. 8vo, 2s 6d. Sal.
Bristles, see 918 vol. 1; see also *Brushes—Mattresses.*
- 130 **British journal of photography, almanac and daily companion**, ed. by Bolton. Lond. 1881–82, '85, '87, '89. 12mo, pap. each 1s, cloth each 2s. Gab.
- 131 **British Workwoman, out and home.** Vol. for 1881. Lond. 1881. Fol. 1s 6d. Bal.
- 132 **Britten, F. J.** The watch and clock makers' handbook, dictionary and guide. 6th ed. Illus. Lond. 1887. 8vo, 5s. \$2.00. Kc—Mu—Sai—Wal.
Bromide Process (in photog.) 421a, 617, see 1020a; see also *Photography.*

- Bronze and Bronzing* 370, 1242, 1243; see 123, 371, 371a, 384*, 552, 691, 966, 1007, 1346a, 1381a, 1401, 1408, 1469, 1506; see also Antimony—Copper—Gilding—Implements B.—Painting—Paints.
- Bronze—American Magic*, see 19 vol. 1.
- Bronze Implements* 321; see also Jewelry—Weapons.
- 133 **Brooks, C. P.** Handbook for use of cotton manufacture students. 2nd ed. Lond. 1887. 32mo, 6d. Su.
- 133a **Brooks, C. P.** Cotton manufacturing, describing the whole range of processes known as cotton manufacturing as at present conducted. Illus. (Blackburn) Lond. 1888. 8vo, 6s. \$2.25. Mu—Sai.
- 134 **Brooks, W. K.** Development and protection of the oyster in Md. Report made as chairman of the oyster commission of Md. 1884. Balto. 4to, \$5.00. Hai.
- 135 **Broom corn and brooms:** treatise on raising broom-corn and making brooms on a small or large scale. New rev. ed. Illus. N. Y. 1887. 12mo, 50c. Ju.
- Brooms* 135; see also Brushes.
- 136 **Brown, A.** Coffee planters' manual. Lond. 1883. Foolsap 8vo, 6s. H—Mu.
- 137 **Brown, A.** Practical treatise on the construction of the power loom and the art of weaving. 5th ed. rev. (Dundee) Lond. 1883. Same, 1887. 12mo, 3s 6d. \$1.75 each. Bb—Mu—Su.
- 138 **Brown, E.** Practical artificial incubation. Lond. 1881. Roy. 8vo, 1s. Cd.
- 139 **Brown, Glenn.** Water closets, a historical, mechanical and sanitary treatise. Illus. N. Y. 1884. 12mo, \$1.00. Ib—Wal.
- 140 **Brown, H. H.** Alatypes; or, steno-typography: system of condensed printing, together with the elements of alagraphy or syllabic shorthand. Battle Creek, Mich. 1887. 24mo, pap. 4c. Bao.
- 141 **Brown, Jos.** Practice in wool carding: expert work in the card room. Phila. 1886. Pap. 50c. Bb.
- 141a **Brown, Mary E., and Wm. A.** Musical instruments and their homes. The whole forming a complete catalogue of the collection of musical instruments now in possession of Mrs. J. Crosby Brown, of N. Y. Illus. N. Y. 1888. Large 4to, \$10.00. Do.
- 142 **Brown, W. N.** Manual of wood engraving, with history of the art. Illus. Lond. 1886. 12mo, 2s. \$1.00. Lp—Mu.
- 143 **Browne, J. W.** Hardware: how to buy it for foreign markets. 2d ed. Lond. 1884. Roy. 8vo, 7s 6d. Su.
- 143a **Browne, M.** Practical taxidermy: complete and comprehensive manual of instructions. 2d ed. Illus. Lond. 1884. P. 8vo, 7s 6d. \$2.50. Go—Mu—Sai.
- 143b **Browne, N.** The law of trade marks, comprising full text of the merchandise marks act, 1887, with introd. and notes. Lond. 1888. Cr. 8vo, 6d. Bo.
- 143c **Browne, W. H.** Firework-making for amateurs, being complete and explicit instructions in the art of pyrotechny, especially for amateurs and beginners. Illus. Lond. 1888. 8vo, pap. 2s 6d. \$1.00. Go—Mu.
- 144 **Browne, W. H.** Minor fireworks: instructions for the manufacture of simple varieties of fireworks. Lond. 1880. 8vo, pap. 1s. 40c. Cal—Va.
- 145 **Browne, W. H.** Treatise on trade-marks, firm-names, business-signs, goodwill, labels, etc. 2d ed., rev. and enl. Bost. 1885. 8vo, shp. net \$5.50. Ln.
- 146 **Browning, J.** How to use our eyes, and how to preserve them by spectacles. Lond. 1883. 12mo, 1s 6d. Ci.
- 147 **Bruce, G., Son & Co.** Specimens of printing-types. N. Y. 1882. \$10.00. Bar.
- 148 **Brunner, A. M., and Tryon T.** Interior decorations. Illus. N. Y. 1887. 4to, \$3.00. Cag.
- Brushes* 324; see 19 vol. 2; 384*, 864 part 9; see also Bristles—Brooms.
- 149 **Buchan, W. P.** Plumbing, house drainage. 4th ed. Lond. 1883. 12mo, 4s and 3s 6d. Lp.
- 150 **Buchan, W. P.** Plumbing, text-book to the practice of the art or craft of the plumber, with chapters on drainage and ventilation. 5th rev. and enl. ed. Illus. Lond. 1888. 12mo, 3s 6d., 4s. \$1.40. Caa—Lp—Mu—Wal.
- 150a **Buck, J. H.** Old plate, ecclesiastical, decorative and domestic; its makers and marks. Illus. N. Y. 1888. 8vo, \$5.00. Gv.
- Buckwheat* 951; see 384*; see also Baker—Cereals.
- Buhlwork*, see 877, 1007, 1089; see also Cabinet-making—Fretcutting—Furniture—Inlaid Work.

- Cages*; see *Bird Cages*.
Cake 125, 496, 703, 997a, 1067; see 384*, 1346a, 1401; see also *Baker—Candies—Confectionery—Ice Cream—Pies*.
Calcium Compounds 101.
- 165a **Calibert, (Pseud.)** Terra cotta painting. Lond. 1883. 12mo, 1s. Be.
Calico-Bleaching 809; see also *Bleaching—Calico-Printing—Cotton Fabric Printing—Dyeing*.
Calico-Printing 371c, 640, 1064, 1174, 1176, 1256, 1358, 1409, 1422, 1423, 1499; see 809, 864 parts 13, 14; 918 vol. 1; 1093, 1456a; see also *Aniline Colors—Calico-Bleaching—Color—Cotton Fabric Printing—Dyeing—Indigo—Printing—Tissue*.
- 166 **Callingham, J.** Sign writing and glass embossing: complete practical manual of the art. Illus., and with many alphabets. Phila. 1883. 12mo, \$1.50. Bb—Caa—Cag—Mu—Va.
- 166a **Calvert's** practical notes on screw-cutting. With examples, etc., various tables; notes on screw-cutting tools, illustrated with tables and information useful to turners and fitters, by Wm. Ward. (Manchester) Lond. 1888. 32mo, 2s 6d. Su.
- 167 **Calverts'** reference book of information for handicraftsmen. 2. Ser. Lond. 1886. P. 8vo, 3s 6d. Hac.
- 168 **Camera, The.** Monthly. Ed. by T. C. Hepworth. Lond. 1886. Yearly vol. 8s 6d. Way.
- Camera* (Photographic), see 19 vols. 5, 6; 1021; see also *Photography*.
Camera—Enlarging and Camera obscura; see 19 vol. 6; 19 vols. 3, 4; see also *Photography*.
- 169 **Cameron, J.** Oils and varnishes. Lond. 1886. P. 8vo, 7s 6d. \$2.50. Bac—Co.
- 170 **Cameron, K.** Plasterers' manual. New ed. Illus. N. Y. 1883. 18mo, 75c. Caa—Cag—Ib—Ju—Mu—Sai—Va—Wal.
- 170a **Cameron, Ja., ed.** Soaps and candles. Lond. 1888. P. 8vo, 7s 6d. \$2.25. Bac—Co.
- Campanology*, see *Bells—Bell-ringing—Clocks—Horology—Watches*.
Camphor, see 864 parts 9, 10.
- 170b **Canadian** textile directory; handbook of cotton, woolen and other manufactures in the textile and kindred trades, including lists of manufacturers' agents, wholesale and retail dealers of the whole dominion. Montreal, Can. 1885. Dem. 8vo, \$3.00. The same. 2d. ed. including also the paper mills and upholstery trades with statistical information. Montreal, Can. 1888. Dem. 8vo, \$3.00. Bu.
- Candles* 119, 170a, 173, 242, 1577; see 384*, 864 part 10; 865, 918 vol. 2; 1007, 1226, 1401, 1505a parts 29, 30; 1506; see also *Alkali—Fats—Oils—Paraffin—Soap—Stearine—Tallow*.
Candle Sticks 223; see also *Lamps*.
- 171 **Candy** making at home, by one who has tried it. 2d ed. rev. and enl. Minneapolis. 1885. 16mo, flex. cl. 25c. Bau.
- Candy* 171, 218, 685, 1144, 1328; see 384*, 1175, 1346a, 1401; see also *Confectionery—Sugarboiling*.
Cane Sugar 942; see also *Sugar*.
Canning 800, 1058; see 865; see also *Grocery—Pickles—Preserving*.
Caoutchouc 467; see 123, 384*, 918 vol. 4; see also *Guttapercha—India-rubber—Rubber—Rubber Stamps*.
Caps 1373; see 918 vol. 1; see also *Cartridges—Guns*.
Carbon 1073; see 864 part 10; 1409.
Carbon Compounds 1073.
Car Building and Painting 216, 356, 370, 1488; see also *Carriage*.
Cardboard, see 918 vols. 2, 3; see also *Bookbinding—Paper—Papier-mache—Pulp*.
Cardboard manufacturers, see 584.
Carding Yarns and Textile Fabrics 115, 1066, 1152; see 918 vol. 4; 1371, 1416, 1563, 1578; see also *Cotton—Textile Fabrics—Weaving—Wool—Yarns*.
- 172 **Carlisle, E.** Simple cutting-out for home and school use. Parts 1, 2. Lond. 1886-87. 12mo, 1s each. Ho.
- 173 **Carpenter, W. Lant.** Treatise on the manufacture of soap and candles, lubricants and glycerine. Illus. Lond. 1885. 8vo, 10s 6d. \$4.00. Mu—Sai.

- Carpets* 234, 795, 1199, 1358; see 384*, 918 vols. 2, 4; 921a, 1294b, 1346a, 1444a; see also Color—Decoration—Designing Textile Fabrics—Ornament—Textile Designs—Tatting.
- 174 **Carpmael, A. and E.** Patent laws of the world. Collected, edited and indexed. Lond. 1885. 8vo, 25s. \$8.00. Cac—Mu—Va.
- 175 **Carr, H.** Our domestic poisons: poisonous effects of certain dyes and colours used in domestic fabrics. Lond. 1883. Cr. 8vo, 1s. 50c. Bb—Rn. Carriages and C-Building 1129; see 918 vol. 4; see also Axles—Car Building—Wheel.
- Carriage, Coach, Sleigh, and Wagon Painting and Trimming* 26, 216, 370, 632, 817, 1488; see 371a, 918 vol. 4; 1401; see also Coaches and Coach Painting—Railway Car Painting—Trimming—Trades.
- 176 **Carrick, G. L.** Koumiss, ferment. mare's milk and ferment. cow's milk. Lond. 1881. P. 8vo, 10s 6d. Bab.
- Cartridges* 1373; see 19 vol. 2; 918 vol. 1; see also Caps—Guns.
- Carved oak and furniture* 621a, 676b, 807b; see also Art Furniture—Buhlwork—Cabinet Making—Furniture.
- Carving* Wood, etc. 1109, 1149, 1301, 1340, 1473, 1516, 1584; see 865b; see also Bench Work—Wood-carving.
- Carving, Perforated*, 1088.
- Casemaking*, see Boxes—Packages—Planing Mill.
- Catsup* 1400; see 281a, 384*, 1346a, 1401; see also Grocery—Pickles—Preserving.
- Cattle weighing*, see 516a.
- 177 **Caulfield, S. F. A., and Seward, B. C.** Dictionary of needlework. 2d ed. Lond. 1887. 4to 31s 6d. Bk.
- 178 **Cawker, E. H.** The American flour mill and mill-furnishers' directory; cont. nearly 20,000 names and post-office addresses of the flour mill-owners in the U. S. and Canada. 4th ed. Milw. 1886–88. 12mo, leat. \$10.00 each. Cc.
- Ceilings* 507; see also Cabinetmaking.
- Ceiling Lathes*, see Lathe.
- Celluloid*, see 123, 864 part 10; see also Ivory.
- Cement* 155, 263, 495, 675*, 715, 739, 1108, 1111, 1230, 1285, 1428, 1458; see 95, 123, 170, 281a, 384*, 402, 463a, 465, 865a part 6; 877, 964a, 1007, 1111, 1346a, 1401, 1505a parts 30, 72; see also Asphalte—Concrete—Hydraulic Cement—Paving—Plastering—Portland Cement—Stucco.
- Cemeteries* 796; see also Cenotaphs—Crosses—Epitaphs—Headstones—Monuments—Tombs.
- Cenotaphs* 1537; see also Crosses—Headstones—Monuments.
- 179 **Ceramic Painting**: manual of the art. Illus. N. Y. 1887. Pap. 35c. Ad.
- Ceramics* 179, 509, 564, 724, 1093, 1343, 1346, 1376, 1418, 1596; see 1001, 1320; see also China-Painting—Decoration—Earthenware—Faience—Pottery—Pottery-P.—Tile Decoration—Tiles.
- Cereals* 75; see also Baker—Barley—Buckwheat—Flour—Grain—Maize—Milling—Oats—Rice—Wheat.
- 180 **Chadwick, W. I.** The magic lantern manual. 2d ed. Lond. 1885. P. 8vo, 1s. 50c. Mu—Va—We.
- 181 **Chaffers, W.** Gilda Aurifabrorum: history of English goldsmiths, etc. Lond. 1883. Roy. 8vo, 18s. Af.
- 182 **Chaffers, W.** Hall marks on gold and silver plate. 6th ed. Lond. 1883. Roy. 8vo, 16s. Br.
- 183 **Chaffers, W.** Marks and Monograms on European and Oriental pottery, etc. 7th ed. Lond. 1886. Roy. 8vo, 42s. Re.
- 184 **Chaffers, W.** Marks and monograms on pottery and porcelain, renaissance and modern. Lond. 1883. P. 8vo, 6s. Br.
- Chalk* 987; see 123, 384*; see also Lime.
- 185 **Challamel, A.** History of fashion in France, Gallo-Roman to present time. Lond. 1882. Imp. 8vo, 28s. \$10.00. Lab—Si.
- Champagne* 964, 1400, 1549; see 384*, 1346a; see also Wine.
- Change Ringing*, see Bell-ringing.
- Charcoal Burning* 1515a.
- Charcoal Machinery*, see Animal Ch. M.
- 186 **Chatto, W. A.** A treatise on wood engraving. New ed. Lond. 1881. Roy. 8vo, 28s. Ci.
- 187 **Chattock, R. S.** Practical notes on etching. New ed. Lond. 1883. 8vo, 7s 6d. Same, 3d ed. rev. Lond. 1886. 8vo, 10s 6d. \$3.00. Lab—Si.

- Cheese* 1054, 1063, 1223, 1572; see 384*, 865, 1346a, 1401; see also Butter—Cream—Dairy—Milk.
- Chemical industries* 997b.
- Chemistry of the farm* 982; see also Fertilizers—Manure—Soils.
- 188 **Chevreur, M. E.** Laws and contrast of color and their application to fine arts. Trans. by J. Spanton. New ed. Lond. 1882. 12mo, 3s 6d. \$1.25. Globe library. Rw.
- Chicory* 1491; see also Coffee.
- Children's Fancy Work* 895; see also Bazaars—Fancy Work.
- China* 193, 312, 1002; see 384*, 808a; see also Earthenware—Hispano Morescoware—Majolica—Mending China—Porcelain—Pottery—Terra-Cotta—Terra-Cotta Painting.
- China Clay* 204; see also Clays.
- China Painting* 65, 358, 429, 539, 577, 611, 657, 725, 789, 1504; see 19 vol. 1; 451; see also Ceramics—Porcelain Painting—Pottery Painting—Terra Cotta—Tile Decoration.
- Chlorates* 308.
- Chlorine*, see 552, 1355, 1409.
- Chocolate* 218, 1558; see 123, 384*, 997a; see also Chicory—Cocoa—Coffee—Tea.
- 189 **Christy, T.** Ensilage, preservation of forage plants and grasses. Lond. 1883. Roy. 8vo, 1s. Cm.
- 190 **Christy, T.** Hydro-incubation, its theory and practice. 7th ed. Lond. 1882. Roy. 8vo, 1s. Cm.
- Chromatics* 1474; see also Color.
- 190a **Church, A. H.** Color: a scientific and technical manual, treating of the optical principles, artistic laws, and technical details, governing the useful colors in various arts. New enl. ed. w. col. pl. Illus. Lond. 1888. P. 8vo, 3s 6d. \$1.50. Cd—Cag.
- 191 **Church, A. H.** Some points of contact between the scientific and artistic aspects of pottery and porcelain. Five Cantor lectures. Lond. 1881. 50c. Ru—Sae.
- 192 **Church, A. H.** English earthenware. Lond. 1884. P. 8vo, 3s. Ch.
- 193 **Church, A. H.** English porcelain: handbook to china. Illus. Lond. 1885. P. 8vo, 3s. Ch.
- 194 **Church, A. H.** Precious stones considered in their scien. and artis. relation. S. K. M. S. A. H. Lond. 1883. 8vo, 2s 6d. Ch.
- 195 **Church, E. R.** Artistic embroidery: instructions in the ornamental branches of needlework. (N. Y. 1880. \$1.00.) N. Y. 1888. 16mo, pap. 30c. Ab—Lac.
- 196 **Church, E. R.** Home needle. N. Y. 1882. 12mo, 60c. Ap.
- 197 **Church, E. R.** How to furnish a home. N. Y. 1881. 12mo, 60c. Ap.
- 198 **Church, E. R.** Money making for ladies. N. Y. 1882. 16mo, 90c. Hd.
- 198a **Church bells'** album of notable Lancashire churches. Lond. 1888. 4to, pap. 6d. Cn.
- Church Bells*, see Bell-ringing.
- Church Decorating* 201; see also Church Furniture—Church Embroidery—Garnishing Churches.
- 199 **Church** embroidery for workers, materials and work over cardboard. Lond. 1886. P. 8vo, 1s. Bk.
- 200 **Church** Embroidery: manual of instructions for beginners. Lond. 1886. P. 8vo, 1s. Wb.
- Church Embroidery* 199, 200, 887, 943; see also Church Decorating.
- 201 **Church** Festival Decorations. Illus. Lond. 1882. 8vo, 1s. Bk.
- Church Furniture* 1293; see also Church Decorating.
- Churchyard*, see Cemeteries.
- Cider* 1137; see 281a, 384*, 1346a, 1456a; see also Bartenders' Guides—Liqueurs—Wine.
- Cigars* 643, 829; see also Tobacco.
- Cisterns* 836; see 384*.
- Claret Wine* 616; see 384*.
- Clarionets*, see 19 vol. 5; see also Musical Instruments.
- 201a **Clark, G.** Gifts: knick-knacks and pretty trifles and how to make them, for fancy fairs and tasty homes. Illus. Lond. 1888. P. 8vo, pap. 1s. Dd.
- 201b **Clark, G. C.** Wool and paper flowers, and how to make them. Lond. 1888. P. 8vo, 1s. Dd.

- 201c **Clarke, J. H.** Text-book for embalming. Springfield, O. 1886. N.r.o.p. Ck—Cr. Clays 92b; see 258, 864 part 10; see also Brick—China Clay—Clays—Fire—Plastering.
Clay Modelling; see *Modelling*.
Cleaning 940, 1158, 1380; see 88, 281a, 371, 384*; see also Bleaching—Borax—Cleansing—Dyeing—Dyes—Laundries—Printing—Scouring—Soap—Washing.
Cleaning Oil Paintings 1396, see also *Repairing Oil Paintings*.
Cleansing, see 123, 281a, 402; see also Bleaching—Borax—Cleaning—Dyeing—Laundries—Scouring—Soap—Washing.
- 202 **Clement, M. E.** Painters, sculptors, architects, engravers, etc. 6th ed. Boston 1881. 8vo, \$2.50. The same. New enl. ed. Illus. Bost. 1881. 12mo, \$3.00. 9th ed. 12mo, \$3.00, $\frac{1}{2}$ calf \$5.00, tree calf, \$7.00.
Hak \$2.50—Te \$3.00.
Clocks 383, 1081, 1112, 1121, 1143, 1190, 1460; see 19 vol. 1; 384*, 756a, 918 vol. 1; 1167, 1346a, 1401; see also Campanology—Horology—Watches.
Clock cleaning and repairing, see 19 vol. 5; 588.
Closets, see 918 vol. 3; see also Earth-closet—Plumbing—Water-closets.
Cloth 762, 1426; see 1444a; see also Fustian Manuf.—Wool—Woolen Cloth—Woolen Ind.—Worsted.
Cloth Fulling and Dressing, see 236.
Cloth Press, see 236.
Clothes Lines, substitute for, see 19 vol. 2; see also Laundries—Washing.
Clothing 58, 708, 757, 1093; see 384*; see also Costume—Cutting—Dress—Fancy Costumes—Fancy Dress—Tailoring.
Coaches and Coaching 437, 1129, 1528; see also Carbuilding and Carriage.
Coach Painting, Smithing, Trimming 26, 239, 336, 370; see 371a, 691, 1233; see also Carriage Painting.
Coal Bins 836.
Coal Cutting and Washing Machinery, see 865a part 6; 1505a part 31.
- 203 **Coal Economy.** Lond. 1884. 2s 6d. Co.
Coal Economy 203, 917, 1016.
Coal Merchants 659.
Coal Oil, see *Petroleum*.
Coal Tar 601, 602, 651, 1461; see also Acid, carbolic—Anthracen.
Coal Tar Color 77; see 1409; see also Colors.
Coal Tar Products, see 864 part 11; see also Colors—Dry Rot.
Coal, Use of, in industry; see *Use*, etc.
Cobalt, see 918 vol. 4.
Coca and Cocaine 628, 929a.
- 204 **Cock, Dav.** Treatise, technical and practical, on the nature, production and uses of china-clay. Lond. 1880. P. 8vo, 5s. \$2.50. Bb—Su.
Cocoa 74, 1558; see 123, 384*, 864 part 11; see also Chocolate—Cocoanut.
Cocoanut 15; see 384*; see also Cocoa.
Coffee 27, 74, 136, 582, 584c, 670, 737, 930, 1332, 1491, 1558; see 384*, 864 parts 11, 12; 918 vol. 1; 1401; see also Chicory—Chocolate—Cocoa—Tea.
Coignet Beton 1263; see also Brick—Building Stones.
Coke 92b, 991b, 1016; see 384*, 865a part 7; see also Fuel—Peat.
- 205 **Cole, A. S.** Art of lace making. Four Cantor lectures. Lond. 1881. 50c. Ru—Sae.
206 **Cole, A. S.** Art of tapestry making and embroidery. Three Cantor lectures. Lond. 1886. Pap. 50c. Ru—Sae.
207 **Collier, P.** Sorghum, its culture and manufacture economically considered as a source of sugar, syrup and fodder. Cinc. 1884. Roy. 8vo, \$3.00. Caa—Sai.
- 208 **Collingwood, W. G.** Philosophy of ornament: lectures. Illus. (Orpington.) Lond. 1883. Cr. 8vo, 5s. Ae.
209 **Collins, D. L.** A few words on Portland cement, by a manufacturer. N. Y. 1887. 8vo, pap. 20c. Sai.
Colodio—etching 425.
Collodion Process 617; see 1020a; see also *Photography*.
Collotype, see 1015a; see also *Illustrating*—*Photo-etching*.
Color and Colors 175, 188, 190a, 342b, 528, 660, 692, 780, 845, 1090, 1091, 1094, 1153, 1154, 1155, 1167, 1174, 1207, 1469, 1474, 1544; see 123, 155a, 691, 918 vol. 2; 1346a; see also Alkali—Alum—Aniline C.—Anthra-purpurin—Antimony—

- Chromatics—Coal Tar—Coal Tar Colors—Coal Tar Products—Coloring—Coloring Matters—Color-mixing—Cromatography—Fusible Colors—Glazes—Harmony of Color—Indigo—Paints—Pigments—Staining—White-lead.
Coloring 342c.
 A full list on this subject will be found in part 5.
Coloring Glass, see 123, 918 vol. 2; see also Borax.
Coloring Matters 16, 16a; see also Colors—Paints.
Coloring Photographs, see 19 vols. 2, 5; see also Painting Photos.
Color Mixing, see 457; see also Colors.
- 210 **Colyer, F.** Pumps and pumping machinery; with plates. 2 vols. Lond. 1882, '87. 8vo, 12s 6d. \$5.00 each. Mu—Sai—Wal.
- Combs*, see 123, 384*; see also Celluloid—Horn—Ivory—Rubber.
Comfits 218, 1565; see also Confectionery.
Commercial Organic Analysis 16.
Commercial Products 864, 1492; see also Animal Com. Products—Chemical—Grocery—Industries—Vegetable Com. Products, and under the respective headings.
- 211 **Compaign, C.** Overcoat cutting for all styles and for every conformation. Lond. 1884. 8vo, 3s 6d. Su.
- 212 **Compaign, C., and Devere, L.** Manual of cutting. Part 1, Lond. 1884. Fol. 10s. Su.
- 213 **Compaign, C., and Devere, L.** Manual of trousers cutting. Pocket ed. Lond. 1881. Sq. 16mo, 3s 6d. Su.
- 214 **Compaign, C., and De Vere, L.** Complete manual waistcoat cutting. Lond. 1882. Sq. 16mo, packet 3s. Su.
- 215 **Complete** guide to the work-table; instructions in Berlin work, crochet, drawn-thread work, etc. N. Y. 1884. 16mo, 50c. Ne.
- Compost*, see Fertilizers—Manure—Soils.
Compounding Liquors, see Liquors.
Concertina Repairing and Tuning, see 19 vol. 3; see also Musical Instruments.
Concrete 155, 284, 381a, 665, 675*, 1230, 1428, 1445, 1458, 1459; see 865a part 6; 964a, 1506; see also Cement—Mortars—Portland Cement.
Condensed Milk 638; see 384*, 1572; see also Milk.
- 216 **Condit, Chas. L.** Painting and painters' materials, book of facts for painters and dealers in paint materials. Lond. 1883. Cr. 8vo, \$2.25. Caa—Mu—Sai—Wal.
- 217 **Confectioner, The complete practical.** 8 parts. Chic. 1887. 12mo, \$4.00. Ge—Mu.
- 218 **Confectioners' hand-book.** Giving plain and practical directions for making Confectionery. Containing upwards of three hundred recipes, consisting of directions for making all sorts of candies, jellies, comfits, preserves, sugar boiling, iced liquors, waters, gum paste, and candy ornaments, syrups, marmalades, essences, fruit-pastes, ice creams, icings, meringues, chocolates, etc., etc. A complete hand-book of the confectioner's art. N. Y. 1881. 25c. Di.
- 219 **Confectioner's** receipt book and pastry-cook's and housewife's guide. Lond. 1886. 32mo, 6d. Hac.
- Confectionery* 217, 218, 219, 359, 399b, 478, 703, 844, 1006, 1169, 1328, 1454a, 1565; see 123, 997a, 1007, 1506; see also Aniline—Baker—Biscuits—Cakes—Candy—Crystallizing Sugar—Dextrine—Ice Cream—Gum Goods—Ice—Lozenge—Pastry—Pies—Sugar—Sugarboiling—Syrup—Tarts.
- 220 **Constantine, J.** Practical ventilation and warming: Turkish baths, etc. Lond. 1881. 8vo, 6s. \$2.40. Caa—Co.
- Conversion* of timber and wood 53a; see also Lumber—Planing Mill—Timber Woodwork—Woodworking Machinery.
- 221 **Conway, M. D.** Travels S. Kensington: decorative art and architecture in England. Lond. 1882. Roy. 8vo, 12s. Tr.
- 222 **Conway, W. M.** Woodcutters of the Netherlands in the 15th century. Lond. 1884. 8vo, 10s 6d. C.
- 223 **Cook, C.** The house beautiful, essays on beds, tables, stools, and candlesticks. New ed. Illus. N. Y. 1881. Sm. 4to, \$4.00. Caa—Cag—Se—Wal.
- 224 **Cook, C.** What shall we do with our walls? Illus. N. Y. 1881. Sq. 8vo, bds. \$1.50. Gv.
- 225 **Cooke, J. S.** Hints on ostrich farming in South Africa. Lond. 1881. 8vo, 1s. Sai.

- 226 **Cooley, A. J.** *Cyclopedia of practical receipts and collateral information in the arts, manufactures, professions and trades.* Rev. by R. V. Tuson. 2 vols. N. Y. 1879-80. 8vo, \$9.00. Ap—V—Va.
- 227 **Cooper, The.** *His work and how it is done.* 5th ed. Lond. 1883. 12mo, 1s. Hal.
- 228 **Cooper, H. J.** *Art of furnishing on rational and aesthetic principles.* 1st Am. ed. N. Y. 1881. 16mo, 75c. Hah.
- 229 **Cooper, H. S.** *Coral lands of the Pacific.* New and rev. ed. Lond. 1882. P. 8vo, 7s 6d. Same. 1883. 6s. Bp.
- Cooper* 227; see also *Stave-making—Taps.*
- Copper, Coppering and Coppersmithing*, 238, 355, 650, 1432, 1559; see 162, 384*, 865a part 7; 1401, 1505a part 34; see also *Bronze—Gilding—Tinsmithing.*
- Copperplate* 95; see also *Galvanizing—Gilding—Hardware—Metalplating—Nickel—Tinsmithing—Zincplating.*
- Copying and Duplicating Processes*, see 123, 402; see also *Heliotype—Photography.*
- Corals* 229; see 864 part 24; 918 vol. 1; see also *Gems.*
- Cordage* 103, 153, 1494; see also *Knots—Rope—Tow—Twine.*
- Cordials* 121; see 123, 281a, 384*, 865, 1175, 1229, 1400; see also *Bartenders' Guides—Liqueurs.*
- Cork*, see 864 part 12.
- Cork-cutting Machinery*, see 1505a part 34.
- Cork Oak*, see 918 vol. 2.
- Cornice Work* 952a.
- A full list in part 6.
- Cosmetics* 66, 1108; see 281a, 1170, 1175; see also *Borax—Calcium C.—Perfumes—Toilet Articles.*
- 230 **Costello, Aug. E.** *Our firemen: history of the New York fire departments, volunteer and paid.* Illus. N. Y. 1887. 8vo, subs. \$6.00, ½ tky. mor. \$8.00, full tky. mor. \$10.00. Cat
- 230a **Costumes** of the time of the French revolution, 1790-93, and in England, 1795-1806: series of 65 plates. N. Y. 1888. 4to, \$20.00. Baf.
- Costume* 230a, 330, 345, 731, 815, 849, 970, 1361, 1437; see 185; see also *Cutting Dress—Fancy Dress—Fashion—Ladies' Dress—Men's Dress—Tailoring.*
- 231 **Cottagers'** comforts, and other recipes in knitting and crocket, by "Grandmother." Lond. 1886. Foolsap, 1s. Ho.
- Cotton* 133, 133a, 250a, 261, 310, 329, 368a, 536, 562, 621, 1093, 1124, 1172, 1186, 1240, 1253, 1255, 1403, 1420, 1485, 1541, 1555, 1564, 1567, 1569, 1578; see 170b, 384*, 808a, 864 parts 12, 13; 918 vols. 1, 2; 921a, 1401, 1414; see also *Carding—Hosiery—Mildew—Needlework—Stockings—Textile—Thread-making—Weaving—Wool—Yarns.*
- Cotton Cloths* 1124; see 133a; see also *Cloth.*
- Cotton Dealers and Cotton trades*, see 921a.
- Cotton Doubling* 753a; see also *Cotton.*
- Cotton Dressing*, see 123; see also *Cotton.*
- Cotton Fabric Printing* 809; see also *Printing Cotton.*
- Cotton (Fancy)* 1062.
- Cotton Fibre* 111; see also *Fibres.*
- Cotton Goods* 261, 929; see also *Dextrine—Hosiery—Mildew—Socks—Stockings.*
- Cotton Machinery*, see 1505a part 35.
- Cotton Sizing*, see 123; see also *Cotton—Sizing.*
- Cotton Spinning* 246, 470, 562, 621, 677, 754, 973, 1027, 1066, 1253, 1319, 1337, 1370, 1403, 1415, 1485; see 60a, 133, 133a, 918 vol. 4; see also *Cotton—Hosiery—Weaving—Wool—Yarns.*
- Cotton Yarn* 649a; see also *Hosiery—Yarns.*
- Cows Milk (Fermented)* 176.
- 232 **Cox, E. Y.** *The art of garnishing churches at christmas and other times.* Lond. 1882. Roy. 8vo, 3s 6d. Cam.
- 233 **Cox, R.** *Manual of trade-mark cases, comprising Sebastians' digest with notes and ref.* Bost. 1881. 8vo, shp. \$6.50. Hak.
- 234 **Coxon, H.** *Oriental carpets: how they are made and conveyed to Europe.* Lond. 1884. 8vo, 3s 6d. U.

- 235 **Coxwell, H.** *My life and balloon experiences, etc.* Lond. 1887. P. 8vo, 3s 6d. Af.
Crackers 125; see 384*; see also Biscuits—Cakes—Confectionery.
- 236 **Craik, D.** *The practical American millwright and miller, comprising the elementary principles of mechanics, mechanism, and motive power.* Illus. Phila. 1870. 8vo, \$5.00. Bb—Cag—Mu—Sai—Wal.
- 237 **Crane, W. J. E.** *Bookbinding for amateurs.* Illus. Lond. 1885. P. 8vo, 2s 6d. \$1.00. The same, 1887. P. 8vo, 3s. \$1.25. Go—Mu—Sai.
- 238 **Crane, W. J. E.** *Sheet-metal workers' guide, for tin and copper-smiths, etc.* Lond. 1883. 12mo, 1s 6d. Lp.
- 239 **Crane, W. J. E.** *Smithy and forge, rudimentary treatise on coach smithing.* Illus. Lond. 1883. 12mo, 2s 6d. \$1.00. Lp—Lw—Wal.
Cream, see Dairy—Milk.
Creameries 1063.
Cremation 80, 317, 926, 947, 1019, 1209; see also Sepulture.
Crests 12; see also Fretcutting—Scrolls.
- 240 **Crew, B. J.** *Practical treatise on petroleum; origin, geology, distribution, history, chemistry, technology, etc.* Illus. Phila. 1887. 8vo, \$4.50. 28s. Bb—Lab—Mu—Sai—Va.
Crewel Embroidery 557, 790, 995a; see also Crochet—Embroidery—Fancy Work—Guipure—Knitting—Needlework—Netting.
- 241 **Cripps, W. J.** *Old English plate: ecclesiastical, decorative, and domestic, its makers and marks.* 3d ed. Illus. Lond. 1886. 8vo, 21s. \$8.40. Mab—Si.
- 242 **Cristiani, R. S.** *Technical treatise on soap and candles, with a glance at the industry of fats and oils.* Illus. Phila. 1881. 8vo, \$7.50. 31s 6d. Bb—Hm—Lab—Mu—Va.
Crochet 117a, 215, 231, 242a, 663d, e, l, 905, 1273, 1274, 1362, 1560; see also Embroidery—Needlework.
- 242a **Croly, Mrs., ed.** (Jenny June pseud.) *Knitting and crochet guide to the use of the needle and the hook.* Illus. N. Y. 1888. 8vo, pap. 50c. Baw.
- 242b **Croly, Mrs., ed.** *Ladies' fancy work.* New rev. ed. Illus. N. Y. 1888. 8vo, pap. 50c. Baw.
- 242c **Croly, Mrs., ed.** *Letters and monograms, for making on silk, linen and other fabrics, etc.* Illus. N. Y. 1888. 8vo, pap. 50c. Baw.
- 242d **Croly, Mrs., ed.** *Needle work, manual of stitches and studies in embroidery and drawn-work.* Illus. N. Y. 1885. 8vo, pap. 50c. The same. New ed. 1888. 50c. Baw.
- Cromatography* 342b; see also Color.
- 242e **Cromwell, J. H.** *A system of easy lettering for architects and engineers.* 26 pl. N. Y. 1888. 5½x8 in. 50c. Mu—Sai.
- 243 **Crookes, W.** *Dyeing and tissue printing.* Lond. 1882. P. 8vo, 5s. \$2.50. Bb—Bm—Va.
- 244 **Crookshank, Edgar M.** *Photography of bacteria, with photog. in autotype.* Lond. 1887. Roy. 8vo, 12s 6d. Le.
- 245 **Cross, C. F., and Bevan, E. J.** *Text-book of paper making, for the student, chemist and manufacturer.* Lond. 1887. P. 8vo, 12s 6d. \$4.00. Sai.
- 245a **Cross, C. F., Bevan, E. J., and King, C. M.** *Report on Indian fibres and fibrous substances exhibited at the colonial and Indian exhibition, 1886, with notes of methods of treatment and uses prevalent in India, by G. Watt; w. 5 pl.* Lond. 1888. Roy. 8vo, 5s. \$2.00. Mu—Sai.
- 246 **Cross, R.** *Cotton yarn spinner.* Phila. 1882. 12mo, \$1.00. Bb—Cap.
Crosses 105, see also Cenotaphs—Epitaphs—Headstones—Monuments.
- 247 **Croswell, Simon G.** *A collection of patent cases criticized, explained, overruled or otherwise limited by subsequent decisions of the federal courts, giving a short statement of the point criticized.* Bost. 1887. 12mo, shp. \$3.00 net. Ln.
- 248 **Crowninshield, F.** *Mural painting.* Illus. Bost. 1887. 8vo, \$3.00. Te.
- 249 **Crozier, L. S.** *Treatise on the culture and raising of silk worms.* New Orleans 1880. 8vo, pap. 50c. Ei.
- Crystallizing Sugar* 1565; see also Confectionery—Sugar.
- 250 **Cundall, J.** *On bookbinding: ancient and modern.* Lond. 1881. Imp. 8vo, 31s 6d. \$12.00. Bm—Si.

- 250a **Cunliffe, R.** Helps to technical examination in the cotton manufacture, comprising over 100 questions and answers, etc. (Manchester) Lond. 1888. 12mo, pap. 1s. Su.
Curing 1058; see 1007; see also Butcher-trade—Preserving.
Currying, see 259; see also Alum—Hides—Leather—Tanning.
Curtains 838; see 384*; see also Amenities—Beautifying—Draperies—Furnishing—Needlework—Window Dressing.
Curtain Raisers 277.
- 250b **Curtis, C. B.** Rembrandt's etchings: 50 of the most notable etchings of R., reproduced by the photo-gravure process; with biog. of R. and descriptive and historical notes to each picture. N. Y. 1888. 15x12 in. Imit. vellum, \$25.00. Lim. ed. of 50 copies on Japan paper, \$50.00. Do.
- 251 **Curtis, D. S.** Wheat culture: how to double the yield and increase the profits. Illus. N. Y. 1880. 12mo, pap. 50c. Ju—Mu.
- 252 **Curtis, E. A.** Needlework: schedule 3, exemplified and illus. New ed. Lond. 1882. 12mo, 1s. Gag.
Custom Regulations 405b, 706a; see also Export.
Cutlery 1141; see 384*; see also Art of the Saracens—Damascus Wares—Weapons.
Cutting 50, 124, 172, 211, 212, 213, 214, 264, 279, 285, 458, 485, 486, 487, 488, 520, 591, 614, 663g, 663i, 871, 938, 955, 956, 957, 958, 959, 960, 1061a, 1232, 1328a; see 384*; see also Cloth—Clothing—Costume—Dress—Fancy Dress—Fashion—Ladies' Dress—Tailoring.
Cutting and Washing Machinery, see 1505a part 31.
Cyanogen Compounds 16, 16a.
-
- Daguerrotypes* 1570.
Dairy 47, 288a, 352, 478, 594, 595, 609b, 831, 831a, 876, 946a, 1054, 1063, 1173, 1571, 1572; see 918 vol. 4; 1007; see also Butter—Cheese—Creameries—Milk.
Dairy Machinery, appliances, and utensils 609b.
Damascus Wares 1245; see also Arms—Art of the Saracens—Cutlery.
- 253 **Daniel, E. M.** New law of patents, designs and trade marks. Lond. 1884. 8vo, 8s 6d. Sam.
- 254 **Davidson, E. A.** Practical manual of house painting, graining, marbling, and sign-writing. 5th ed. Illus. Lond. 1884. 12mo, 5s. \$2.00. Bb—Caa—Cag—Lp—Mu—Va—Wal.
- 255 **Davidson, Mary M.** Silk: its history and manufacture from the earliest ages to present time, includ. instruc. for silk culture on osage orange or mulberry. Illus. New Orleans, La. 1885. 12mo, \$1.00. Pap. 60c. Ei.
- 256 **Davies, D. C.** Slate and slate quarrying, scientific, practical, etc. 3d ed. Lond. 1887. 12mo, 3s. \$1.40. Bb—Cag—Lp—Va.
- 257 **Davies, P. J.** Standard practical plumbing. Vol. 1. Lond. 1885. 4to, 5s. \$2.00. O. o. p. Mu—Sai.
- 258 **Davis, C. T.** Practical treatise on the manufacture of bricks, tiles, terracotta, etc. Illus. Phila. 1884. 8vo, \$5.00. 25s. Bb—Caa—Cag—Hm—Lab—Mu—Sai—Va—Wal.
- 259 **Davis, C. T.** Manufacture of leather: description of all processes for the tanning, tawing, currying, finishing and dyeing of every kind of leather, etc. Illus. and dyed samples. Phila. 1885. 8vo, \$10.00. 52s 6d. Bb—Hm—Lab.
- 260 **Davis, C. T.** Manufacture of paper: description of the various processes of fabrication, coloring and finishing, etc. Illus. Phila. 1886. 8vo, \$6.00. 28s. Bb—Hm—Lab—Mu—Va.
- 261 **Davis, Geo. E., Dreyfus, Chas., Ph. D., and Holland, Phil.** Sizing and Milledew in cotton goods. Illus. (Manchester) Lond. 1880. 8vo, 15s. \$6.00. Bb—Su—Va.
- 262 **Davis, O. W.** Decorative painting in oil and distemper. Lond. 1887. 12mo, 1s. Wao.
- 263 **Davidowsky, F.** Practical treatise on the raw materials and fabrication of glue, gelatine, gelatine veneers and foils, isinglass, cements, pastes, mucilages, etc., based upon actual experience. Trans. by Wm. T. Brannet. Illus. Phila. 1884. 12mo, \$2.50. 12s 6d. Bb—Lab—Mu—Va.
- 264 **Day, L. F.** Anatomy of Pattern. Illus. Lond. 1887. Cr. 8vo, 3s 6d. Bi.

- 264a **Day, L. F.** The application of ornament illustrated. Lond. 1888. P. 8vo, 3s 6d. \$1.50. Bi—Mu.
- 265 **Day, L. F.** Every-day art: Short essays on the arts not fine. Illus. Lond. 1882. P. 8vo, 7s 6d. \$3.00. Bi—Si.
- 265a **Day, L. F.** Ornamental design: embracing the anatomy of pattern planning and ornament, application of ornament. Illus. Lond. 1888. P. 8vo, 10s 6d. Bi.
- 266 **Day, L. F.** Planning of ornament. Illus. Lond. 1887. P. 8vo, 3s 6d. \$1.40. Bi—Mu—Si.
- 267 **Deane, C. P.** Law of retailing intoxicating drinks, with notes, etc. Lond. 1887. Cr. 8vo, 7s 6d. Cac.
- 268 **Debus, H.** Chemical theory of gunpowder: Bakerian lecture. Lond. 1883. 4to, 3s. Tr.
- Decorating Church* 201, 232; see also *Church Embroidery—Church Furniture—Garnishing Churches.*
- Decorating Houses and Homes* 481, 481a, 1079, 1252; see also *Awnings—Byssophanie—Carpets—China—Curtains—Draperies—Earthenware—Furniture—Glass-staining—Hispano-Moresco-Wares—House-painting—Majolica—Mantels—Pottery.*
- 269 **Decoration.** Lond. 1880–87. 2 vols. per year. Fol. each 7s 6d. Lab.
Decoration 48, 61, 129, 148, 221, 262, 269, 270, 271, 271a, 272, 291, 304, 325, 326, 342c, 435, 503a, 523b, 635a, 635b, 647, 772, 848, 925, 1045a, 1061, 1107, 1225, 1313, 1872; see 19 vols. 1, 2; 123, 281, 384*, 865, 918 vols. 2, 3; 1100a, 1227; see also *Byssophanie—Ceramics—China—Color—Fresco-painting—Glass-staining—House—Mural-painting—Ornament—Porcelain—Pottery—Sign and Wall painting.*
- Decorative Art* 532, 563, 909, 943; see 756a; see also *Japanese Decor. Art.*
- Decorative Composition* 635a, 635b.
- Decorative Design*, see 503a, 1227a.
- Decorative Painting* 113, 216, 262, 342c, 422, 457, 503a, 772, 813, 1395d; see also *Decoration—Mural Painting—Wall Painting.*
- 270 **Decorators' assistant:** 600 receipts, preparing and using dyes, etc. Lond. 1883. 12mo, 2s 6d. Bf.
- 271 **Decorators' assistant:** for artists, amateurs, painters, etc. 2d ed. Lond. 1887. P. 8vo, 1s. Lp.
- 271a **Decorators' assistant:** modern guide for decorative artists and amateurs. 3d rev. ed. Lond. 1888. P. 8vo, pap. 1s. 40c. Lp—Mu.
- 272 **Decorators' portfolio.** Parts 1, 2. Lond. 1887. 1s 6d each. Lab.
- 272a **Decree (A)** of star chamber concerning printing, made July 11, 1637; reprinted by the Grolier Club from the 1st ed. of Rob. Barker 1637, with appendix by Alb. Gallup. N. Y. 1885. 8vo, Japan pap. \$2.00. Gal.
- 273 **Delaborde, Vicomte H.** Engraving: its origin, processes and history, trans. by R. A. M. Stevenson, with chapter on English engraving by W. Walker. Illus. Lond. 1886. 12mo, 10s 6d. \$2.00. Cd.
- 273a **Delamotte, F.** Book of ornamental alphabets: ancient and mediæval. 12th ed. Lond. 1888. Obl. 8vo, bds. 2s 6d. \$1.00. Lp—Mu.
- 274 **Delamotte, F.** Examples of modern alphabets. 9th ed. Lond. 1884. 4to, bds. 2s 6d. \$1.00. Caa—Lp—Va.
- 275 **Delamotte, F.** Embroiderers' book of design. 2nd ed. Lond. 1881. Roy. 8vo, pap. 1s 6d. 60c. Lp—Va.
- 275a **Delamotte, F.** Modern alphabets, plain and ornamental, with original designs and numerals for surveyors, masons, decorators, painters, carvers, etc. 10th ed. Lond. 1888. Roy. 8vo, 2s 6d. \$1.00. Lp—Mu.
- 276 **Denton, E. F. B.** Domestic filtration of water. N. Y. 1883. 20c. Sai.
- Designing Textile Fabrics*, Cotton, etc., 33a, 35, 863; see 1100a, 1199a, 1477a; see also *Textile Designs—Textile Fabrics.*
- 277 **Desprez, F.** Curtain raisers for amateurs and others. Lond. 1886. 12mo, 1s. Su.
- 278 **Detail Ornament:** a collection of examples and studies, for the use of designers, embracing from five to six hundred different items of design, carefully prepared and drawn with a view to practical availability in the present style of work. A feature of this collection is an abundance of useful borders and edgings. 24 pl. N. Y. 1880. 4to, bds. \$6.00, red. \$2.50. Cag—Oa—Va—Wal.

- 279 **De Vere, L.** Handbook of practical cutting on gen. point system. 5th ed. 2 vols., Lond. 1883. 4to, 7s 6d. Su.
Devonshire Lace 663f; see also *Lace*.
- 280 **Dewing, Mrs. T. W.** Beauty in dress. N. Y. 1881. 16mo, \$1.00. Hd.
- 281 **Dewing, Mrs. T. W.** Beauty in the Household. N. Y. 1882. 16mo, \$1.00. Hd.
Dexrose 942; see also *Levulose—Sugar*.
Dextrine 360, 965; see also *Glue—Mucilage*.
Diamonds 651a, 751, 879, 880, 1196, 1218; see also *Gems—Jewelry*.
Diamond Cutting, see 1401.
- 281a **Dick's** Encyclopedia of practical receipts and processes; over 6,400 receipts in plain language, applicable to almost every possible industrial and domestic requirement. 3d ed. N. Y. 1880. Roy. 8vo, \$5.00, shp. \$6.00. Di—Mu—V.
- 282 **Dickson, W. E.** Practical organ building. Illus. Lond. 1881. 8vo, 5s. \$2.00. The same, 2d rev. ed. w. add. 1882. 18mo, 2s 6d and 3s. Caa—Lp.
- 283 **Dictionary** of Needlework. Lond. 1882. 4to, 21s. Go.
Digest Making 489a; see also *Indexing—Precis Writing*.
Distillation and Distilling 64, 121, 372, 426, 578, 601, 651, 1133, 1203, 1229, 1360, 1444, 1592; see 281a, 588, 1007, 1351; see *Bartenders' Guides—Filters—Gauging—Liqueurs—Liquors—Olive Oil—Rectifying—Wine*.
Distilling Apparatus, see 1505a parts 38, 39.
- 284 **Dobson, E.** Foundations and concrete works, with practical remarks on footings, sand, concrete, beton, etc. Lond. 1881. 12mo, 1s 6d. 60c. Caa—Lp—Mu—Va.
- 285 **Dobson, W. L., and Humphreys.** Prize essay in cutting by block patterns. Lond. 1884. 4to, 2s. Su.
- 285a **Donaldson, J.** The roller mill annual and millwrights' almanac for 1888. Lond. 1888. 12mo, pap. 2s. Su.
- 286 **Donaldson, W.** Improvement in hydraulic machinery for pumping. Lond. 1884. 4to, 1s 6d. Sai.
- 287a **Dorinda (Pseud.)** Needlework for pleasure and profit. Lond. 1881. Cr. 8vo, 1s 6d. Saf.
- 287b **Dorinda, (Pseud.)** Needlework for ladies for pleasure and profit. Lond. (1883.) 3d ed. 1886. P. 8vo, 1s 6d. Saf.
- 287 **Dougall, J. D.** Shooting: its appliances, practice and purpose. 2d ed. Lond. 1881. P. 8vo, 7s 6d. Lab.
- 288 **Dowsing, W.** The timber merchant and builders' companion. 4th ed. Lond. 1886. P. 8vo, 3s. Lp.
- 288a **Doyle, M.** Cottage farming and the dairyman. Lond. 1888. 12mo. 1s. Gam.
- Draperies and Draping* 69, 84, 374, 399, 478, 663g; see 918 vol. 3; see also *Curtains—Decorating Houses—Needlework—Trimming Trades—Window-dressing*.
Drawn-thread Work 242d, 289; see also *Embroidery—Window-dressing*.
- 289 **Drawn-work** illustrated. N. Y. 1885. 4to, pap. 35c. AD.
Dress and Dressmaking, 41, 54, 58, 59, 93, 185, 280, 320a, 323, 330, 351, 447, 454a, 478, 546, 591, 663g, 663h, 663i, 663k, 708, 731, 896, 901, 903, 906, 938, 941, 978, 1061a, 1282, 1312, 1327; see 384*, 1093, 1328a; see also *Arranging Fab.—Buttons—Cloth—Clothing—Color—Costumes—Cutting—Fancy Dress—Gloves—Ladies' Dress—Needles—Sewing—Sewing Machines—Tailoring*.
- 290 **Dresser, C.** Japan: its architecture, art and art manufactures. Illus. Lond. 1882. Sq. cr. 8vo, 31s 6d. \$10.00. Lw.
- 291 **Dresser, C.** Principles of decorative design. 4th ed. Lond. 1882. 4to, 5s. Cd—Cag.
- 292 **Drew, B.** Hints and helps for those, who write, print or read. New ed. Bost. 1882. 16mo, 50c. La.
Driers 216; see also *Drying Oils—Painting—Varnishes*.
Drilling, see *Turning*.
Drinks 164, 267; see 1401; see also *Alcohol—Ale—Beer—Beverages—Chicory—Chocolate—Cocoa—Coffee—Koumiss—Liqueurs—Liquors—Milk—Mineral Waters—Porter—Stout—Tea—Wine*.
Dry Goods commission merchants and jobbers, see 921a.
Dry Plate Photography 4, 303; see 19 vols. 5, 6; 918 vol. 3; see also *Photography*.

- Dry Rot* 1122, 1230; see also *Timber Preserving*.
Drying Oils and Dryers, see 281a; see also *Driers—Oils—Painting—Paints*.
- 294 **Du Bois, H. P.** Historical essay on book-binding. N. Y. 1883. Gratis. Bah.
 295 **Dunbar, J.** Practical papermaker: complete guide. 3d rev. ed. Lond.
 1887. 18mo, 2s 6d. \$1.00. Mu—Sai—Va.
 296 **Dunlop, M. A. W.** Glass in the old world, with col. plates. Lond. 1882.
 8vo, 12s 6d. \$5.00. Fg—Si.
 297 **Duryee, S.**, chief clerk U. S. patent office. Assignments of patent rights,
 digest of the decisions of federal and state courts and the commissioner of
 patents, with laws and forms. Balt. 1886. 12mo, shp. \$3.00. Fab—Mu.
 298 **Dyces'** elementary outlines of ornament. Plates 1-22. Lond. 1887. Fol.,
 2s 6d. Ch.
 299 **Dye, F.** Hot water supply: practical treatise upon the fitting of hot water
 apparatus for domestic and general purposes. Illus. Lond. 1887. 12mo,
 3s. \$1.00. Sai—Wal.
 299a **Dye, F.** Hot water fitting and steam-cooking apparatus. Lond. 1888. 18mo,
 1s 6d. Sai.
Dyeing 64, 88, 243, 371c, 484, 808a, 846, 1064, 1158, 1174, 1176, 1207, 1208, 1256,
 1309, 1380, 1407, 1409, 1422, 1423, 1424, 1496, 1499, 1592; see 123, 281a, 384*,
 402, 864 parts 13, 14; 918, 1007, 1093, 1346a, 1401, 1456; see also *Alizarin—Al-*
kali—Ammonia—Aniline—Anthracen—Anthra-purpurin—Antimony—
Bleaching—Borax—Calico-printing—Carbon—Carbon Comp.—Coal Tar—
Coal Tar Colors—Cobalt—Color—Dyes—Grass-Dyeing—Indigo—Laundries
—Mordants—Printing Textile F.—Scouring—Tissue-printing—Washing.
Dyeing ivory, see 123.
Dyeing Leather 259.
Dyeing Wood 1562; see 1007, 1230.
Dyeing Wool 1345; see also *Dyeing*.
Dyers of Woolens, cotton, silk and jute goods, see 921a.
Dyes, Dye Plants, Dye Stuffs, Dye Wares, 88, 175, 270, 845; see 384*, 864 part
 14; 918 vols. 1, 2; 1346a, 1499; see also *Color—Dyeing*.
Dynamite 308; see 123; see also *Explosives*.
-
- Earth Closet*, see 384*; see also *Closets*.
Earthenware 192, 1001, 1484; see 384*, 1456a; see also *China—Faience—Glazes*
—Majolica—Porcelain—Pottery—Stone-ware—Terra Cotta.
- 300 **Eastlake, C. L.** Hints on household taste. 6th Am. ed. w. col. illus. Bost.
 1881. 8vo, \$3.00 to \$7.00. Caa—Hak.
Eau de Cologne, see 384*; see also *Perfumes*.
- 301 **Ede's** Gold and silversmith's and jeweller's calculator. Carefully rev. by
 J. Aspen. Lond. 1888. 8vo, halfbound 10s. Pd.
 302 **Eder, J. M.** Chemical effect of the spectrum; trans. and ed. by W. de W.
 Abney. N. Y. 1885. 8vo, pap. 50c. Sd.
 303 **Eder, J. M.** Modern dry plates; or emulsion photog., ed. by Pritchard.
 Lond. 1881. 12mo, 3s. Ph.
Edges (Book), see *Bookbinding*.
- 304 **Edis, R. W.** Decoration and furniture of town houses. Cantor lect-
 ures. Illus. Lond. 1881. 8vo, 12s 6d. \$3.50. Cag—Pe—Si—Wal.
Edison's Inventions 1210a; see also *Inventions*.
- 305 **Edmonson, J.** Universal tables of textile structure, for manufacturers.
 Lond. 1886. Imp. 8vo, 7s 6d. \$3.00. Bb—Lp.
 306 **Edwards, C.** History and poetry of finger-rings. New issue, illus. N. Y.
 1880. 12mo, \$1.25. AA.
 307 **Edwards, C. A.** Organ and organ building. Lond. 1881. Cr. 8vo, 5s. Go.
 308 **Eissler, Manuel.** The modern high explosives, nitro-glycerine and dyna-
 mite: their manufacture, their use, and their application to mining and
 military engineering; pyroxyline or gun-cotton, fulminates, picrates and
 chlorates; also the chemistry and analysis of the elementary bodies which
 enter into the manufacture of the principal nitro-compounds. With pl.
 N. Y. 1884. 8vo, \$4.00. Mu—Wag.
- 309 **Eldridge, John.** The gas fitters' guide, showing the principles and practice
 of lighting with coal gas. 3d ed. Lond. 1882. 2s 6d. \$1.00. Mu—Sai—Va.
Electro Gilding, see 163, 1346a, 1408; see also *Galvanizing—Gilding—Jewelry*
Nickel.

- Electrolysis of Gold, Silver, etc.*, 355, 985; see also *Jewelry*.
Electro-Metallurgy 985, 986, 1269, 1408; see 163, 864 part 14; 1505a parts 43, 44; 1506; see also *Gilding—Jewelry—Nickel*.
Electroplating 801, 948, 966, 985, 986, 1045; see 19 vol. 1; 123, 163, 281a, 918 vol. 4; 1408; see also *Copperplate—Galvanizing—Gilding—Goldsmithing—Metalplating—Nickel—Silversmithing—Zincplating*.
Electrotyping 949, 1022; see 163, 281a, 588, 966, 1346a, 1408; see also *Letter Foundries—Printing—Stereotyping—Type-founding—Type-setting*.
Elixirs 584*; see 123; see also *Bartenders' G.—Liqueurs*.
310 **Ellison, T.** *Cotton trade of Great Britain, Liverpool cotton market, etc.* Lond. 1886. 8vo, 15s. \$6.00. Bb—Wam.
Embalming 201c, 574, 807*, 884a; see 587; see also *Burial—Cremation—Sepulture*.
Embossers' addresses, see 584.
Embossing (Glass), see *Glass Emb.*
Embroidery 28, 195, 206, 242d, 275, 461, 560a, 560b, 772, 790, 893, 902, 1275, 1276, 1296, 1372, 1377, 1560; see 374, 1328a; see also *Applique Work—Bazaars—Berlin Work—Childrens' Fancy Work—Church Embroidery—Crewel—Crochet—Drawn-thread Work—Fairs—Fancy Work—Guipure—Initials for Embroid.—Kensington Stich—Knitting—Lace—Ladies' Fancy Work—Ladies' Work—Monograms for Emb.—Needlework—Netting—Ornaments for Embroid.*
311 **Emerson, Wm. A.** *Handbook of wood engraving: practical instructions in the art, description of tools and apparatus used, and manner of engraving the various classes of work, also history of the art.* New ed. Illus. Bost. 1881. 24mo, \$1.00. La—Mu—Wal.
Emigrants' Outfits, see *Outfits*.
Employers' Liability, 332.
Employment 1017.
Employing Women, see *Laundries—Needlework—Women*.
Emulsions 8a, 9, 303; see 588; see also *Photography*.
Enamels and Enamelling 110, 1254; see 19 vol. 5; 123, 375, 587, 1401; see also *Borax—Glazes—Japanese Enamels—Japanning*.
312 **English China and china marks.** 3d ed. Illus. Lond. 1887. Cr. 8vo, 1s. Way.
313 **English Etchers:** fifteen etchings by Murray, Strang, Chattock, Pennell, Dobie, Cooper and others. N. Y. 1885. Fol. \$12 50. Do.
314a **English Woman's year book for 1884;** new ed. of "Year-book of woman's work." Lond. 1884. P. 8vo, 1s 6d. Ho.
Engraved Gems 537, 1136.
Engravers 202; see also *Ornament*.
Engraving 154, 273, 314, 605, 1178, 1204; see 505, 864 part 26; 1008, 1346a, 1506; see also *Alphabets—Crests—Glass Engraving—Heliography—Lettering—Ornament—Ornaments—Printing—Steel Engraving—Scrolls—Woodcutting—Wood Engraving—Zincography*.
Engraving in Metal, see 1004; see also *Seal Engraving*.
314 **Engravings on Wood;** by members of the soc. of Amer. wood-engravers; with an introd. and descrip. text by W. M. Laffan. Popular ed. N. Y. 1887. Folio, \$12.00. Same ed., de luxe (only 110 copies), \$100.00. Hd.
315 **Ensilage Congress:** treatise cont. latest facts on the system of ensilage, with reports of 3d and 4th ensilage congresses, analysis, inexpensive silos, etc., addresses of C. Harlan, on "green manuring," and of A. N. Cole, on "underground irrigation." N. Y. 1885. 8vo, pap. 50c. Pi.
Ensilage 49, 189, 315, 357, 364, 743a, 775a, 799, 839, 931, 1267; see also *Hay M.—Maize—Silos*.
316 **Epitaphs, or churchyard gleanings, collected by Old Mortality, Jr.** 2d. ed. Lond. 1887. Cr. 8vo, 1s. Rb.
Epitaphs 316, 1287, 1357, 1430; see also *Cenotaphs—Crosses—Headstones—Monuments*.
317 **Erichsen, Hugo.** *The cremation of the dead, considered from an aesthetic, sanitary, religious, hist. etc. standpoint, with introd. note by Sir T. Sp. Wells.* Illus. Detroit 1887. 12mo, \$2.00. Hu.
Essences 1400; see 123, 402; see also *Bartenders' G.—Elixirs—Liqueurs*.
318 **Esser, H.** *Draughtman's alphabets: series of plain and ornamental alphabets, etc.* 3d ed. N. Y. (1877) 1887. Obl. 4to, \$2.00. Cag—Ke.

Estimators' price books 463a, 964a.

A full list on this subject will be found in part 6.

- 319 **Etcher:** Original etched work of modern artists, vol. for 1881. Lond. 1881. Imp. 4to. 52s 6d. Same. Vol. 5, 1883. Fol. 36s. Lab.
- Etchers* 79, 813, 819, 783, 953, 991.
A complete list on this subject will be found in part 5.
- Etching* 187, 406, 425, 462, 541, 542, 548, 549, 787, 788, 813, 1098, 1300; see 1008, 1506; see also Engraving—Etchers—Etchings—Heliography—Mezzotint—Steel-engraving—Wood-cutting—Zincography.
- Etching* on Copper, see 19 vol. 5; on Glass, see 19 vol. 3.
- 320 **Etchings** by French artists, containing ten etchings by Detaille, Martial, Delaunay, and others, with text by G. W. H. Ritchie. N. Y. 1888. 20x15 in. cloth \$10.50, on Jap. pap., portfolio \$50.00. Do.
- Etchings* 85, 250b, 320, 320b, 418, 462a, 543, 544, 652, 654, 775, 783, 784, 920, 942a.
A full list will be found in part 5.
- 320a **Etiquette** of men's dress. Illus. N. Y. 1888. 8vo, pap. 25c. Mk.
- 320b **European etchings:** series of 22 original etchings by foreign artists, with descriptive text. Bost. 1888. 17½x12 in., ¼ mor. \$15.00. Ec.
- 321 **Evans, J.** Ancient bronze implements, weapons and ornaments of Great Britain and Ireland. Lond. and N. Y. 1881. 8vo, 25s. \$5.00. Ap—Lw.
- Everyday Art*, see Art, Useful.
- 322 **Ewart, J.** Meat production: manual for producers, distributors, and consumers' of butchers' meat. Lond. 1884. 12mo, 2s 6d. Lp.
- 323 **Exhibition** of the Rational Dress Association, Princes' Hall, catalogue. Lond. 1888. 4to, 1s. Way.
- Exhibition* 329, 1034a; see also Bazaars—Fairs.
- Explosives* 3, 82, 308, 662, 1576; see 123, 281a, 864 parts 14, 15; 865a part 10; see also Blasting Compounds—Blasting Powders—Dynamite—Gun-cotton—Gun Powder—Nitro-compounds—Nitro-Glycerine—Torpedoes.
- Export* 323a, 523a; see also Custom Regulations—Importations.
- 323a **Export** merchant shippers of London, Manchester, Liverpool, Birmingham, Glasgow, Edinburgh, Leeds, Sheffield, Hull, Leith, Bristol, etc. Their respective ports, classification of exports, etc. Lond. 1888. Roy. 8vo, cloth 15s. Dd.
- Exposition*, see Exhibition.
- Extracts* 1400; see 123, 402; see also Bartenders' G.—Liebig's Extract—Liqueurs.
- Eyeglasses*, see Spectacles—Optical Instruments—Optician.
- 324 **Eyre, Jane.** Needles and brushes, and how to use them, a manual of fancy work. Illus. Chic. and N. Y. 1887. 12mo, \$1.00. Bl.
-
- 325 **Facey, J. W.** Elementary decoration: guide to forms of everyday art, as applied to the interior and exterior decoration of dwelling houses, etc. Illus. Lond. 1882. 12mo, 2s. The same, 1886. 12mo, 5s. Lp.
- 326 **Facey, J. W.** Practical house decoration, ornamental painting, etc. Lond. 1886. 12mo, 2s 6d. \$1.00. Lp—Mu.
- 327 **Factory** and workshop act, 1878–83; boiler explosions act, 1882, etc. Lond. 1886. 32mo, 1s 6d. Su.
- Factory and Factories* 369, 633, 932, 1463, 1542; see also Employers—Employing—Fire-protection—Foreman—Law relat. to Fac.—Work-shop.
- Faience* 727, 910, 1083; see also Ceramics—Earthenware—Majolica—Porcelain.
- 328 **Faija, H.** Portland cement for users. Lond. 1881. P. 8vo, 3s 6d. \$1.40. The same. 2d ed. 1883. 12mo, 2s. 80c. Caa—Lp—Mu—Va.
- 329 **Fairall, Herb. S.** The world's industrial and cotton centennial exposition, New Orleans, 1884–85. Iowa City, Ia. 1886. 12mo, \$2.00. Rh.
- 330 **Fairholt's** costume in England: history of dress to the end of the 18th century. 3d rev. and enl. ed. by H. A. Dillon. Illus. 2 vols. Lond. 1885. (Bohn Lib.) New style. 12mo, 5s. \$3.50 each. Bm—Ln—Si.
- Fairs* 71, 374, 398, 890; see also Bazaars—Exhibition—Fancy Articles.
- 331 **Falkner, R.** A little gossip about printing. Lond. 1887. Obl. 4to, 6d. Su.

- 332 **Fall, C. G.** Employers' liability for personal injuries to their employees. N. Y. 1883. 8vo, pap. 50c. Wal.
Fancy Articles 891, 1298a; see also *Bric-a-Brac—Fans—Fancy Work—Knick-knack—Ladies' Fancy Work—Needlework.*
Fancy Costumes 816, 849, 970, 992, 994, 995.
Fancy Dress 471, 472.
Fancy Fairs, see *Fairs.*
Fancy Work (Ladies) 324, 518, 937, 995a; see also *Fancy Articles—Ladies' Fancy Work—Needlework—Toile-crosee.*
Fans, see 865a part 10; 1505a part 46; see also *Fancy Articles.*
- 333 **Farleys'** Reference directory of booksellers, stationers and printers in the U. S. and Canada. 6th year. Phila. 1886. 7th year. Phila. 1887. 8vo, net each \$10.00. The same, for 1888-89. Phila. 1888. 8vo, sub. net \$15.00. Fa.
- 334 **Farleys'** Reference directory of the machinists, plumbers, gas-fitters, iron, steel and metal-working, also hardware trades of the U. S. for 1885-86. 3d and 4th years. Phila. 1885-86. 4to, net \$10.00 each. The same, 5th and 6th years. Phila. 1887-88. 8vo, each \$15.00. Fa.
- 335 **Farleys'** Reference directory of the paint, oil and drug trades in the U. S. Phila. 1886, '88. 8vo, each \$5.00. Fa.
Farm Appliances 624; see also *Farm Conveniences.*
- 335a **Farm Conveniences:** manual of what to do and how to do it. Describing home-made aids to farm work, etc. Illus. N. Y. 1884. 12mo, \$1.50. Ju. *Farm Conveniences* 335a; see also *Agricult. Impl.—Barn Impl.—Barn Mach. Farm Implements* 1524; see 865a part 1.
- 336 **Farr, Wm., and Thrupp G. A.** Coach trimming. Illus. Lond. 1888. 8vo, 2s 6d. Ch.
- 337 **Farrow, E. S.** Pack mules and packing. N. Y. 1882. 16mo, \$1.00. Pw. *Fashion* 185, 663k, 1238; see also *Cloth—Clothing—Costume—Cutting—Dress—Fancy Costume—Men's Dress.*
Fats 16, 16a, 120, 242; see 119, 1456a; see also *Candles—Grease—Oils—Soap.*
- 338 **Faulkner, F.** Theory and practice of modern brewing. Lond. 1884. 8vo, 21s. \$8.50. Bb—Lad—Va.
- 338* **Faulkner, F.** The theory and practice of modern brewing: a rewritten and much enlarged edition of "The art of brewing." With a compl. and fully illus. appendix, specially written for the present period. 2d ed. Illus. Lond. 1888. 8vo, 21s. \$9.40. Lad—Mu.
- 339 **Fawkes, F. A.** Hot water-heating on the low pressure system. Lond. 1882. 12mo, 1s. Bi.
Feathers, see 123, 384*, 864 part 15; 918 vol. 1; see *Beds—Furnishing Houses—Mattresses.*
Feathers (Ostrich) 225.
- 340 **Felker, P. H.** What the grocers sell us. New enl. ed. N. Y. 1880. 12mo, \$1.00. Ju.
- 341 **Felkin, H. M.** Technical education in a Saxon town. Lond. 1881. 8vo, 2s. Pe.
Felt and Felting 1526a; see 921a; see also *Hats.*
- 341a **Feret.** Bordeaux and its wines. Classed by order of merit. 2d improv. ed. Lond. 1883. 12mo, \$3.25. Bb.
- 342 **Ferguson, A.** Buyers' and sellers' guide to profit and return. 8th ed. Lond. 1884. The same, 11th ed. Lond. 1888. 12mo, each 1s. Wam.
Fermentation and Ferments 426, 786, 1429, 1483; see 922, 1007; see also *Beer—Brewing—Champagne—Mineral Waters—Yeast.*
Fermented Cows' and Mares' Milk 176.
- 342a **Ferris, J. F.** Practical artificial incubation. Albany, N. Y. 1880. 8vo, \$1.00, 75c, pap. 50c. Fe.
Ferrotypes 1222a.
Fertilizers 1288, 1547; see 1401; see also *Bone Mill—Calcium Comp.—Chemistry of the farm—Manure—Nitrate of Soda—Soils.*
Fibres and Fibrous substances 1494; see 864 parts 15, 16; see also *Cotton Fibre—Indian Fibre—Wool Fibre.*
- 342b **Field, G.** Chromatography: colours and pigments, ed. by Taylor. Lond. (1863) 1885. 16mo, 5s. Cag—Wao.

- 342c **Field, G.** Grammar of colouring: applied to decorative painting and the arts. 4th rev. and enl. ed., by E. A. Davidson. Illus. Lond. 1887. 12mo, bds. 3s 6d. \$1.25. Cag—Lp—Mu.
- Filters* and *Filtration* 276; see 19 vols. 1, 2; 384*, 588; see also *Distillation*—*Gauging*—*Liqueurs*—*Rectifying*.
- Finger-rings* 306; see also *Diamonds*—*Gold* and *Silversmithing*—*Jewelry*—*Precious Stones*.
- Fire* 828, 1167, 1595; see 865; see also *F-Protection*.
- Fire Arms*, see *Arms*—*Guns*—*Pistols*—*Revolvers*—*Rifle*—*Weapons*.
- Fire Bricks* 1084; see 258; see also *Bricks*—*B-Laying*—*Kiln*—*Masonry*—*Tiles*.
- Fire Brigade*, see *Fire Engineer*.
- Fire Clay*, see *Bricks*.
- Fire Companies*, see *Fire Engineer*.
- Fire Engineer* 230, 502, 828, 830, 867, 1595; see also *Fire Protection*.
- Fire Extinguishing Agents*, see 123.
- Firemen*, see *Fire Engineer*.
- Fire Places* 764, 916, 1211, 1212, 1214; see 384*; see also *Furnace*—*Hardware*—*Ovens*—*Stoves*.
- Fire Protection* 1081; see also *Mill Protection*.
- Fireworks* 143c, 144, 381*; see 123, 1506; see also *Blasting Powders*—*Fulminates*—*Pyrotechnics*.
- Firm Names*, see *Labels*—*Patents*—*Trade-marks*.
- 343a **Fischbach, Fr.** Lace album: series of 25 pl. Lond. 1884. Imp. 4to, bds. 21s. Q.
- 344 **Fischbach, Fr.** Ornament of textile fabrics. Lond. 1883. Portfolio 150s. Q.
- 344a **Fisher, Julia.** Washing day: how to avoid its troubles and perform its work, with detailed instructions for the proper washing of every article of household use. Lond. 1888. 6d. Dd.
- Fishing Tackle*, manufacture of, 354, 524, 711, 997; see 19 vol. 4.
- 345 **Fishwives'** and **fishgirls'** costumes: souvenir of Fisheries Exhibit. 1888. Lond. 1888. 4to, 2s 6d. Mm.
- 346 **Fitz, J.** Sweet potato culture. N. Y. 1887. 12mo, 60c. Ju.
- 347 **Fitzgerald, S. J.** Coals and colliers, or, how we get the fuel for our fires. Lond. 1882. P. 8vo, 2s. Wap.
- Fixed Oils* 16, 16a; see also *Grease*—*Oils*.
- Flags* 390, 478a, 609, 747, 748.
- 347a **Flamant, Ad.** Practical treatise on olive culture, oil-making, and olive pickling. San Francisco, Cal. 1887. 8vo, pap. \$1.00. Gac.
- Flax* 623, 825, 826, 1151, 1235; see 384*, 808a, 918 vol. 1; 921a, 1007a, 1093; see also *Hemp*—*Jute*—*Rope*—*Tow*—*Weaving*.
- Flax Machinery*, see 1505a parts 47, 48.
- 348 **Fleishman, E.** Art of blending and compounding liquors and wines. N. Y. 1885. 12mo, \$2.00. Di—Mu—Va.
- 349 **Fleming, G.** Practical horseshoeing. Illus. Lond. (1884.) 12mo, 2s. The same. N. Y. n. d. 12mo, 75c. Ap—Ch—Mu.
- 350 **Fleming, Miss J. A.** How to teach needlework in schools. With col. illus. Lond. 1887. P. 8vo, 2s 6d. Gi.
- 351 **Flinn, D. E.** Our dress and our food in relation to health. Lond. 1886. P. 8vo, 1s. Su.
- 352 **Flint, C. L.** Milch cows and dairy farming. Illus. New ed. Bost. 1887. 8vo, \$2.00. La.
- Floor Cloth*, see 691, 864 part 16.
- Floor Decorating* 507; see 19 vols. 1, 2; 384*, 1346a; see also *Carpets*—*Mosaics*—*Oil-cloth*—*Tiles*.
- Flooring Tiles*, see *Tiles*.
- Floor Staining*, see 19 vol. 1; see also *Mosaics*.
- 353 **Florence, (Pseud.)** Manual for making paper flowers. N. Y. 1887. 12mo, pap. 15c. Baw.
- Flour* 384a, 506, 535; see 384*, 1346a, 1401; see also *Baker*—*Cereals*—*Confectionery*—*Mills*.
- Flour Mills* and *Milling* 178; see 918 vol. 2; see also *Mills*.
- Flowers*, Artificial 812, 1395a, 1395c; see also *Paper Flowers*—*Wax Flowers*—*Wool Flowers*.
- Fluid Foods* 151; see also *Food*.

- Flutes*, repairing of, see 19 vol. 5; see also Musical Instruments.
- 354 **Fly makers'** handbook, with col. plates, by an angler. Lond. 1887. 16mo, 2s. Sq. Su.
- Flymaking*, see Fishing Tackle.
- Fly Wheel*, see 19 vol. 4; see also Aeronautics.
- Foils*, see Sword.
- Folding Papers*, etc. 414; see 1505a part 76; see also Bookbinding—Paper.
- 355 **Fontaine, H.** Electrolysis: practical treatise on nickeling, coppering, gilding, silvering, refining of metals and treatment of ores, by means of electricity, trans. by A. Berley. Lond. 1885. 8vo, 9s. \$3.50. Sai—Va.
- Food*, see Animal Food.
- Food*, Artificial 786.
- Food*, Fluid, see Fluid.
- Food Industries*, see 1093.
- Food Preparation* 388b.
- Food Preservation*, see Preserving.
- Foreman* 493, 687; see also Factory.
- Forge and Forging* 239; see 19 vols. 3, 4, 5, 6; 163, 865b, 1381a, 1505a part 48; see also Anvil—Horseshoeing.
- 356 **Forney, M. N.**, and others. Car builders' dictionary. N. Y. 1880. 12mo. \$2.00. R.
- 357 **Foulis, R.** Ensilage: how to make and how to use it, practical value. Lond. 1884. 6d. Bab.
- Foundations* 284; see also Brickwork—Masonry.
A full list on this subject will be found in part 6.
- 358 **Frackelton, Mrs. S. S.** Tried by fire: a work on china painting with 12 chromo-lithographic plates and many illus. N. Y. 1885. 4to, \$6.00. Ap.
- Frames*, see Picture frames.
- 359 **Francatelli, C. E.** Royal confectioner, English and foreign. 5th ed. Lond. 1887. P. 8vo, 5s. \$2.00. Ch—Li—Va.
- 360 **Frankel, J.** Practical treatise on the manufacture of starch, glucose, starch-sugar and dextrine, ed. by Rob. Hutter. Illus. Phila. 1881. 8vo, \$3.50. Bb—Mu—Sai.
- 360a **Fream, Wm.** The Rothamsted experiments on the growth of wheat, barley and the mixed herbage of grass lands. Lond. 1888. P. 8vo, 5s 6d. Cam.
- Freestone*, see 381a; see also Stone.
- 361 **Fremlin, R.** Potato in farm and garden, from "Farm and Home." Lond. 1883. 12mo, 1s. Rw.
- 362 **French polishers'** trade price list. Lond. 1885, '87. Cr. 8vo, pap. each 1s. Way.
- French Polishing* 745a, 1562; see 19 vols. 1, 2; 1381a; see also Paints—Polishes Varnishes.
- Fresco Painting* 113, 1292*, 1294a, 1292b, 1381, 1395d, 1482a; see 1401, 1488; see also Decoration—Mural Painting—Ornament.
A full list on Fresco P. will be found in part 5.
- Fret Cutting*, sawing Fret-work 114, 823, 1088, 1333a, 1574, 1586; see 19 vols. 1, 2, 3, 4, 5; 865b; see also Bird Cages—Brackets—Crests—Ornaments—Scrolls.
- Fret-saw Machine*, see 19 vol. 5.
- 363 **Friend, H.** The willow pattern. Lond. 1883. P. 8vo, 1s 6d. Wap.
- 364 **Fry, G.** The theory and practice of sweet ensilage. Lond. 1885. 8vo, 2s 6d. Ac.
- Fuel* 347, 818, 1016, 1212, 1213, 1369, 1490; see 123, 384*, 1505a part 50; see also Coal—Coke—Peat—Timber—Wood.
- Fulminates and Fulminating Powders* 308, 1206; see 123; see also Fireworks—Matches—Pyrotechnics.
- Fur* 1354; see 123, 384*, 864 part 17; 918 vol. 1; 1401; see also Hides.
- Furnace* 92b, 463; see 1505a parts 50, 51; see also Fire-places—Ovens.
- Furnishing Homes and Houses* 30, 197, 223, 228, 300, 481, 481a, 744, 883, 889; see also Art Furniture—Beds—Blankets—Cabinet-making—Candle sticks Carpets—Curtains—Feathers—Floor Cloth—Floor Decorating—Furniture Household Elegancies—Lamps—Mattresses—Mosaics—Pillows—Springs for B.—Stoves—Tables—Upholstery—Wall Paper.

- 365 **Furniture Gazette**, estab. 1872. Lond. 1886. Yearly vol., cloth 7s 6d each. Way.
- 366 **Furniture Gazette** diary and desk book. 10th year. Lond. 1886. Cr. 4to, bds. 2s 6d. Way.
- 367 **Furniture Gazette**: directory of the furniture, etc. trades. Lond. 1886. P. 8vo, 2s 6d. Way.
- 368 **Furniture trade catalogue**. 2d. ed. Lond. 1887. Foolscap fol., cloth 10s 6d. Way.
- Furniture* 61, 281, 304, 365, 366, 367, 368, 464a, 526, 621a, 676b, 678, 716, 735, 807b, 883, 900, 1020, 1046, 1061, 1079, 1109, 1110, 1139, 1210, 1227, 1250, 1252, 1266a, 1270, 1325, 1342, 1349, 1372, 1439, 1440-41, 1497a, 1505, 1517, 1518, 1527; see 19 vols. 1, 3, 4, 6; 384*, 663n, 756a, 865, 952b, 1470a; see also Art Furniture—Beautifying—Beds—Blankets—Brackets—Buhlwork—Cabinet making—Carved Oak—Carving Wood—Church Furniture—Decoration—Furnishing—Graining—House Decorating—Household Elegancies—Mosaics—Shelves—Springs for B.—Tables—Trimming—Upholstery—Varnishes—Willow Ware—Wood—Wood Carving—Wood working.
- Furniture Cream and F-Paste*, see 1007.
- Furniture, Renovation and Restoring*, see 19 vol. 1; 371.
- Fusible Colors* used in Porcelain Painting, see 123; see also Color—Porcelain Painting.
- Fustian Manufacturing* 1426; see 384*; see also Cloth—Loom Fixing.
-
- 368a **G., H. S.** Autobiography of a Manchester cotton manufacturer. Lond. 1887. P. 8vo, 3s 6d. Hac.
- 368b **Galloupe, F. E.** Index to engineering periodicals 1883 to 1887 inclusive, comprising engineering, railroads, science, manufacture and trade. Bost. 1888. 12mo, \$2.00. Ea—G.
- Galvanized Iron Working* 952a; see also Sheet Iron Working.
- Galvanizing* and Galvano-plastic manipulations 801, 966; see 123, 985, 986, 1401; see also Copperplate—Electro-gilding—Electroplating—Metal-plating Vulcanizing—Zinc-plating.
- 369 **Garcke, E. and Fells, J.** Factory accounts: principles and practice. Lond. 1887. The same. 2d. ed. Lond. 1888. 8vo, 10s 6d. \$4.25 each. Lp—Mu.
- 370 **Gardener, F. B.** Carriage painters' illustrated manual: treatise on coach, carriage and car painting, including the improvements in fine gilding, bronzing, staining, varnishing, polishing, etc. N. Y. 1882. 16mo, \$1.00. Caa—Cag—Fu—Rk—Wal.
- 371 **Gardener, F. B.** Everybody's paint book. Illus. N. Y. 1884. 12mo, \$1.00. Caa—Cag—Fu—Rk—Wal.
- 371a **Gardener, F. B.** Painters' encyclopedia. N. Y. 1887. 12mo, \$2.00. Cag—Mu—Rk.
- Contains: details of practice in coach, carriage, railway car, house, sign and ornamental painting, also graining, marbling, staining, varnishing, polishing, lettering, stencilling, gilding, bronzing, and hints on porcelain painting, etc.
- 371b **Gardner, J.** Acetic acid and vinegar, ammonia and alum. Lond. 1885. P. 8vo, 5s. \$1.75. Bac—Co.
- 371c **Gardner, J.** Bleaching, dyeing and calico printing, with formulae. Lond. 1884. Cr. 8vo, 5s. \$1.75. Bac—Bb—Co.
- 372 **Gardner, J.** The brewer, distiller, and wine manufacturer. Illus. Lond. 1883. Cr. 8vo, 6s 6d. \$1.75. Bac—Bb—Co—Mu.
- Garnishing Churches* 232; see also Church Decorating—Ch.—Embroidery—Decorating Church.
- Gas-consuming* 639, 1024.
- Gas Fitting* 90, 309, 334, 694, 1251; see 19 vol. 1; 865b, 918 vol. 3; 1401; see also Closets—Plumbing—Steam Fitting—Water Closets.
- 373 **Gasnault, P. and Garnier, E.** French pottery, with marks. Lond. 1884. (S. K. A. H.) P. 8vo, 3s. Ch.
- Gauging* 617a, 1351; see 162; see also Bartenders' G.—Distilling—Liquors—Liquors—Rectifying—Spirit.
- 374 **Gay, Elinor.** Skillful Susy: a book for fairs and bazaars. N. Y. 1885. 8vo, pap. 50c. Fad.
- 375 **Gee, G. E.** The goldsmiths' handbook: full instructions for the alloying and working of gold. 2nd enl. ed. Lond. 1881. 12mo, 3s, and 3s 6d. \$1.20, \$1.75. Bb—Lp—Mu—Va.

- 376 **Gee, G. E.** Hall-marking of Jewelry, practically considered. Lond. 1882. 5s. The same, 1884. P. 8vo, 3s 6d, and 3s. Lp.
- 377 **Gee, G. E.** The silversmith's handbook: full instructions for alloying and working of silver. Lond. 1881. 3s 6d, red. to 3s. \$1.20. Same, 2d. rev. ed. 1885. 3s. \$1.20. Bb—Lp—Mu—Wal.
Gelatine-Making, and Gelatine Bromide Process 8, 8a, 263, 421a, 617; see 19 vols. 5, 6; 384*, 402.
Gelatine Veneers 263; see also Veneers.
Gem Engraving, see Engraving Gems.
Gems 881, 1196, 1353a, 1353b; see 123, 281a, 864; part 17; see also Corals—Diamonds—Jewelry—Pearls—Precious Stones—Rubies.
- 378 **Gerber, N.** Chemical and physical analysis of milk, condensed milk and infants' milk-foods. Trans. by H. Endemann. N. Y. 1882. 8vo., pap. \$1.00, clo. \$1.25. Va.
- 379 **Gerhard, W. P.** House drainage and sanitary plumbing. N. Y. 1882. 24mo., bds. 50c., cl. 75c. The same, 2d rev. ed. N. Y. 1883. 18mo., 50c. Caa—Mu—Sai—Va.
- 380 **Gerhard, W. P.** Notes embodying recent practice in the sanitary drainage of buildings. With memoranda on cost of plumbing work. (V. N. S. S.) N. Y. 1887. 18mo. bds. 50c. Mu—Sai—Va.
- 381 **Gibson, J. S.** Wood carver, with instructions, and 34 full-page designs. Lond. 1886. Folio, 7s 6d. Su.
Gila Aurifabrorum 181; see also Jewelry.
- 381* **Gilbert, Chas.** Fireworks, art of making, and chemical surprises. Lond. 1888. 6d. Dd.
Gilding 355, 370, 691, 692, 1048, 1109, 1149, 1258; see 19 vol. 3; 123, 166, 281a, 371, 371a, 457, 464a, 865b, 966, 1007, 1506; see also Aluminium—Bronze—Electro-gilding—Jewelry—Metal-plating—Nickel—Silvering.
- 381a **Gillmore, Q. A.** Notes on the compressive resistance of freestone, brick piers, hydraulic cements, mortars, and concretes. W. 8 folded pl. N. Y. 1888. 8vo. \$3.50. Mu—Wag.
- Gin* 1203, 1400; see 123, 384*; see also Bartenders' G.—Liquors.
- 382 **Glaister, E.** Needlework. Illus. (Art at Home Series.) N. Y. 1880. 12mo. 90c. Mb.
- 383 **Glasgow, D.** Watch and clock-making. W. 69 diagrams. Lond. 1885. 16mo. 4s 6d, \$2.00. Cd—Mu.
Glass 296, 740, 833, 991a, 1074, 1075, 1322, 1324, 1412, 1413, 1479; see 19 vol. 5; 123, 384*, 463a, 587, 864 part 17; 918 vols. 2, 3; 1093, 1346a, 1456a, 1506; see also Borax—Isinglass—Soluble Glass.
Glass Coloring, see Coloring Glass.
Glass Cutting, see 1136; *Measuring Glass—Mending China, Glass.*
Glass Embossing 166, 1489.
Glass Engraving 1136; see 19 vol. 3; 123; see also Engraving.
Glass Machinery, see 1505a, part 53.
- 384 **Glass Painting and staining for amateurs.** Illus. N. Y. 1885. 4to, pap. 35c. AD.
Glass Painting 384, 410, 646, 1075, 1292, 1580; see 19 vol. 5; 918 vol. 3; 1506; see also Borax—Glass Coloring—Glass Staining—Mirror Painting.
Glass Signs, see 123; see also Sign Painting.
Glass Staining 384, 691, 692, 1254; see 19 vol. 1; 918 vols. 3, 4; 1401, 1506; see also Byssophanie—Staining.
Glass Vessels 1413.
Glass Work 1484; see 123.
Glazes and Glazing 478, 692; see 19 vol. 5; 123, 162, 384*, 587, 675*, 865b, 918 vol. 3; see also Borax—Color—Earthenware—Enamels—Pottery.
Gloves 69a; see 384*, 1346a.
Glucose (Glycose) 360; see also Starch—Starch Glucose.
Glue 263, 715; see 123, 384*, 402, 877, 1007, 1346a; see also Dextrine—Mucilage—Pastes.
Glycerine 173, 984; see 384*, 402, 864 parts 28, 29; see also Perfume—Soap.
- 384a **Godrich, Edw.** Modern lines on the cost and produce from wheat; with a compendium, designed for millers, farmers, technical and other persons operating in wheat or flour. Lond. 1888. Roy. 8vo, 5s. Sab.
God's Acre, see Cemeteries.
Gold Beating, see 1401; *Gold Leaf*, see 166.

- Goldsmithing* 181, 182, 301, 375, 706, 999, 1114, 1166, 1442, 1443; see 1210*; see also Jewelry.
- 384* **Goodholmes'** domestic cyclopedia of practical information. New rev. ed. Illus. N. Y. 1887. Roy. 8vo, cloth \$5.00 and \$5.75, shp. \$6.50. $\frac{1}{2}$ mor. \$8.00. Mr.
- 384b **Goss, W. F. M.** Bench-work in wood: course of study and practice designed for use of schools and colleges. Bost. 1888. 12mo, 75c. Gu.
Gothic Stonework 1182; see also Brickwork—Marble—Masonry—Ornamental Stones—Stonework.
- 385 **Gould, J.** Letterpress printer. Comp. guide to the art of printing. 2d ed. Lond. 1881. 12mo, 2s 6d. Fb.
- 386 **Gould, S. Baring.** Silver store, from mediæval, etc. times. 3d ed. Lond. 1886. 12mo, 5s. Sv.
- 386a **Gower, Lord R.** Bric-a-brac, or, some photo-prints illustrating art objects at Gower Lodge, Windsor. Lond. 1888. Roy. 8vo, 15s, and 21s. Pe.
- 387 **Graham, W.** Brassfounders' manual: modelling, pattern making. 7th ed. Lond. 1883. 12mo, 2s. The same. 1887. Foolsap 8vo, 2s 6d. \$1.00. Lp—Mu—Va.
- Graining* 254, 480, 632, 692, 1140, 1393; see 371a, 691, 865b, 1506; see also Lacquers—Marbling—Painting—Varnishes—Veneers.
- Grains* 951; see also Cereals—Flour—Rye—Wheat.
- Granite and Granite Industries* 418a; see also Stonework.
- Grape Culture and Grape Wine* 490, 491; see 918 vol. 1; see Thomery-System—Wine.
- Graphite*, see 864, part 18.
- Grass Dyeing and Bleaching*, see 808a; see also Dyeing.
- Gravestones* 676a; see also Marble.
- Grave-yards* see Cemeteries.
- Grease*, see 242, 864 parts 28, 29; see also Blacking — Fats — Fixed Oils — Grease—Lubricants—Oils—Soap—Stearine.
- 388 **Greener, W. W.** Gun and its development: notes on shooting. 2d ed. Illus. Lond. 1884. 4to, 10s 6d. Cd—Fr—Mu.
- 388a **Greener, W. W.** Modern shot guns. Lond. 1888. 8vo, 5s. \$1.00. Cd.
- 388b **Greenup, Mrs. W. T.** Food and its preparation. Lond. 1888. 12mo, 1s 6d. Bn.
- 389 **Greenwood, T.** Turner and fitters' handbook. 10th ed. Lond. 1887. 18mo. 1s 6d. 60c. Su—Wal.
- 389a **Grenfell, Mrs. H., and Baker, Miss.** Dress cutting-out. With diagrams on sectional paper. Lond. 1888. 4to pkt., 1s 6d. 50c. Lw.
- 390 **Griffin, J.** Flags, national and mercantile, house flags, etc. Lond. 1883. 8vo, 7s 6d. Su.
- 390a **Griggs, W.** Portfolio of industrial art (chiefly selected from the South Kensington Museum Collections). 75 parts, with 150 pl. Lond. 1881-88. Folio £8. 8s. Q.
- 391 **Grimshaw, Rob.** Pump catechism: practical help to runners and makers of pumps of any kind. N. Y. 1887. 18mo, \$1.00. Hm—Mu—Wag—Wal.
- 392 **Grimshaw, Rob.** Saws: history, development, action, classification and comparison of all kinds of saws. Giving also details of manufacture, filing, setting, swaging, gumming, etc. 2d. ed. with suppl. Illus. Phila. 1882. 8vo, \$4.00. Bb—Caa—Cab—Cag—Hm—Mu—Sai—Va.
- 393 **Grimshaw, Rob.** Supplement to Grimshaw, Saws—First ed. treating more especially on the forms of saw teeth, conditions and behaviour of saws under particular conditions. Illus. Phila. 1883. Roy. 8vo., \$2.00. Caa—Cab—Hm—Mu—Sai.
- 394 **Grimshaw, Rob.** Saw filing: treatise on filing, gumming, and swaging of saws. Illus. N. Y. 1883. 16mo, \$1.00. Caa—Wag.
- Grinding and Grindstones*, see 19 vol. 2; 918 vol. 2; 1136, 1381a, 1505a part 54; see also Saw-Filing—Setting Razors—Sharpening—Tools—Tool-Grinding.
- Grist Mills*, see 236; see also Milling.
- Grocery* 38, 340, 528, 577a, 761*, 1009a; see 1401; see also Candy—Canning—Catsup—Com. Products—Confectionery—Needles—Oyster—Peanut—Potato—Preserving—Products—Rice—Sauerkraut—Sweet Potato—Syrup—Tomatoes—Trade Products—Vegetable—Vinegar—Yeast.

- 395 **Grogan, Mercy.** How woman may earn a living. Rev. ed. Lond. 1883. 12mo, 1s. Cd.
- 396 **Grolier Club,** Transactions of the, from its foundation Jan. 1884, to July 1885. Part 1. N. Y. 1885. 8vo, pap. 25c. Gal.
- Contains: De Vinne, Theo. L. Historic printing types; Hoe, Rob., Bookbinding as an art.
- 397 **Groom, The.** Duties and daily work in and out of the stable. New ed. Lond. 1883. 12mo, 2s. Hal.
- 397a **Grundy, R. E.** The timber importers', timber merchants' and builders' standard guide. 3d ed. Lond. 1888. 12mo, 2s. Lp.
- 398 **Guenons'** treatise on milch cows: treatise on the Bovine species in general. New trans. by Thos. J. Hand. Illus. N. Y. 1883. 12mo, \$1.00. Ju—Mu.
- 398a **Guide** to bazaars and fancy fairs: their organization and management. W. details. Lond. 1888. 12mo, pap. 1s. Go.
- 399 **Guide** to Windowdressing, from "Warehouseman and Draper Trade Journal." Lond. 1886. 12mo, 1s. Cae.
- 399a **Guillou, Alf.** House renting and room renting, with a chapter on hotels and boardinghouses. Phila. 1888. 12mo, shp. \$1.50, leatherette \$1.00. Wu.
- Guipure* 1297; see also Embroidery.
- Gum* (Mucilage); see 918 vol. 2; 1346a, 1506; see also Dextrine—Mucilage—Resinous and G. S.
- Gum Goods* 218, 1565; see also Confectionery—Lozenges.
- Gun* and *Gunmaking* 388, 388a, 672, 674, 675, 763, 974, 1045, 1072, 1294, 1497; see 918 vol. 2; 1007, 1346a, 1401, 1505a parts 54, 55, 56; see also Arms—Caps—Cartridges—Firearms—Pistol—Rifle—Weapons.
- Gun Cotton* 308, 1026, 1206; see 123; see also Dynamite—Explosives—Gun—Powder.
- Gun Machinery*, see 1505a parts 56, 57.
- Gun Metal*, see 1505a part 54.
- Gun-Powder* 268; see 82, 123, 918 vol. 1; 1456a, 1505a part 56; see also Dynamite—Explosives—Gun-Cotton.
- 399b **Gunters'** modern confectioner and biscuit baker. 452 original receipts by Wm. Jeanes. 7th. enl. ed. Lond. (1888.) Cr. 8vo, bound, 6s. Dd.
- Gutta-Percha* 467, 499, 1165; see 123, 384*, 918 vol. 4; see also Caoutchouc—Indiarubber—Rubber.
- Gypsum*, see 918 vol. 2; see also Calcium Comp.—Lime—Limestones.
- Haberdasher* 478; see also Hosiery—Millinery—Needlework.
- Hair* 504, 573, 722, 794, 1132; see 384*, 918 vol. 1; 864 part 18; 1346a; see also Hair-Dyes—Hair Ornaments—Tonsorial Art.
- Hair-Dyes*, see 281a, 1175.
- Hair Ornaments* and *Ornamental Hairwork* 1059, 1389; see 864 part 18; 1346a; see also Tonsorial Art.
- 402 **Haldane, R.** Workshop receipts. 2d. series. Lond. 1883. P. 8vo, 5s, \$2.00. Mu—Sai.
- 402a **Hale, E. Ev.** How they lived in Hampton: a study of practical christianity applied in the manufacture of woollens. Bost. 1888. 12mo, \$1.00. Sac.
- 403 **Hale, L. P.** Art of knitting. Bost. 1882. 8vo, 25c. Th.
- 404 **Hale, P. M.** Woods and timbers of North Carolina. N. Y. 1883. 12mo. \$1.25 red. 50c. Ha—No.
- 405 **Hall, T. B.** Legal status of patents. Clevel., O. 1882. 48mo, pap. 50c. F.
- 405a **Hall, T. B.** Treatise on patent estate; comprehending nature, conditions, and limitations of interest in letters-patent. Clevel. 1888. 12mo, shp. \$3.00. In.
- Hall Marks* and *Hallmarking* 182; see also Jewelry.
- 405b **Ham, G. G.** Merchandise marks act (The), 1887. Together with the orders in council in regard to the marking of foreign watch cases; also customs-regulations in regard to the importation of goods bearing trade or descriptive marks, issued in accordance with the aforesaid act. W. notes by G. D. Ham. (Suppl. to the Customs' Year Book, 1888). Lond. 1888. 8vo, 1s. Wam.
- 406 **Hamerton, P. G.** Etchers' handbook. 3d ed. rev. Lond. 1881. Pap., 8vo, 5s. \$2.00. Rr—Rv.
- 407 **Hamilton, H. L.** Industrial homes and their management. Lond. 1883. 12mo, 1s. Pc.

- 407a **Hammond, A.** The art of practical brickcutting and setting, showing the most advanced methods of setting out, taking off, and applying bevels for arched work, groines, columns, pediments, etc., with remarks on building materials and rules for mensuration of gauged work. Illus. Lond. 1888. 12mo, 1s 6d. Lp.
- 408 **Hammond, A.** Rudiments of practical bricklaying. 5th ed. Lond. 1884. 12mo, 1s 6d, 60c. Caa—Lp—Mu—Wal.
- 410 **Hancock, E. C.** Amateur pottery and glass painter. 4th ed. Lond. 1881. 8vo, 6s. Af.
- 411 **Handbook** of needlework. Lond. 1881. 12mo, 8d. Mo.
- 412 **Handbook** for needlework: prize associations; schedules and suggestions. Lond. 1884. 12mo, 1s. Gag.
- 413 **Handbook** of useful tables for the lumberman, farmer and mechanic: tables of logs, plank, skantling and timber measure, etc. Phila. 1885. 32mo, bds. 25c. Bb.
- 414 **Handbook** to folding papers and the teaching of form, colour, etc. Lond. 1885. 32mo, 4d. Su.
- 415 **Handicraft** for handy people: plain instructions on use of tools. Lond. 1885. 12mo, 2s 6d. Su.
- Handicraft* and *Handiwork* 167, 865b, 1029; see also *Art*, useful—*Artisan*.
Handsaws 464; see also *Saws*—*Sawfiling*.
Hand Tools, see 1505a parts 57, 58; see also *Tools*—*Toolgrinding*.
Hardware 143, 334; see 384*, 463a, 918 vol. 3; 1062a, 1401, 1429*; see also *Bird Cages*—*Copper*—*Fireplaces*—*Japanning*—*Metal Trades*—*Nails*—*Saws*—*Stoves*—*Tin*—*Tinsmithing*—*Tinware*—*Wire*.
- 416 **Hardwich, T. F.** Photographic chemistry, ed. by J. T. Taylor. 9th ed. Lond. 1883. 12mo. 7s 6d, \$2.50. Co—Mu.
- Hardwood trades*, see 933a; see also *Fuel*—*Lumber*—*Timber*—*Wood*.
- 417 **Harlan, C.** Farming with green manures; or Plumgrove farm. 2d rev. and enl. ed. Phila. 1880. 12mo. \$1.00. Ju—Li.
- 418 **Harlow, L. K.** Etchings. Bost. 1887. Obl. 16mo in wrapper, \$1.50; Japan paper, \$3.00; on satin, \$5.00. Ce.
- Harmonium* Building, see 19 vol. 1;—*Octave Cupler*, see 19 vol. 6; see also *Musical Instrum.*
Harmony of Color, see 155a; 188, 1153, 1154, 1155.
Harness 713, 1234, 1236, 1237; see 281a, 384*, 1401; see also *Leather*—*Reins*—*Saddlery*—*Whips*.
- 418a **Harris, G. F.** Granites and our granite industries. Illus. Lond. 1888. P. 8vo, 2s 6d. Lp.
- 419 **Harris, W. S.** The potters' wheel and how it goes around; complete description of the manufacture of pottery in America. Illus. Trenton, N.J. 1886. 8vo, pap. 25c. Bav.
- 420 **Harrison, C. C.** Woman's handiwork in modern homes. Illus. N. Y. 1881. 12mo, \$2.00. Se.
- 421 **Harrison, W. J.** History of photography. N. Y. 1887. 12mo, net \$1.00. Sd.
- 421a **Harrison, W. J.** History of photography. Written as a practical guide and an introduction to its latest developments. With: on the discovery of the gelatine-bromide process by Dr. Maddox. (Bradford) Lond. 1888. 8vo, pap., 3s 6d. Tr.
- 421b **Harrison, W. J.** Photography for all: elementary textbook and introduction to the art of taking photographs. Illus. Lond. 1888. Cr. 8vo, pap. 1s. I.
- 422 **Harrison, W. R.** Decorative painting for walls, panels, screens, etc. 2d ed. Lond. 1883. 12mo, 1s 6d. Be.
- 423 **Hart, G.** The Violin: its famous makers and their imitators. New ed. Illus. Lond. 1884. 4to, 25s. The same. Pop. ed. Lond. 1887. P. 8vo, 7s 6d. \$2.50. Du—Ln.
- 424 **Hart, M. C.** The amateur printer: or, type-setting at home. A thorough instructor for the amateur in all the details of the printers' art, giving practical information in regard to type, ink, paper and all the implements requisite, with illustrated directions for using them in a proper manner. N. Y. 1883. Pap. 25c. Di.
- 425 **Hartley, B.** Guide to collodio-etching. Illus. and pl. N. Y. 1882. \$1.00. Ib.

- 426 **Hartley, W. N.** Fermentation and distillation. 3 Cantor lectures. Lond. 1884. Pap. 50c. Ru—Sae.
- 427 **Hartley, W. N.** Spectrum photography and new methods of quantitative analysis. Lond. 1884. 4to, 2s. Tr.
- 428 **Hartshorn, E. A.** Industrial miscellany. Illus. N. Y. and Troy, N. Y. 1887. 24mo, pap., 10c. Hn.
- 429 **Harvey, W.** China painting: its principles and practice. Illus. Lond. 1882. P. 8vo, 1s. Go.
- 430 **Haslope, L. L.** Repousse work for amateurs. Illus. Lond. 1886. 8vo, 2s 6d. \$1.00. Bk—Sai.
- 431 **Hasluck, P. N.** Lathe work: art of turning. 3d ed. Lond. 1885. P. 8vo, 5s. \$2.00. Lp—Mu.
- 432 **Hasluck, P. N.** Metal turners' handbook. Lond. 1882. Cr. 8vo, 1s. 40c.; same 2d ed. 1887, P. 8vo, 2s. 80c. Lp—Mu—Va.
- 433 **Hasluck, P. N.** Watch jobber's handy book. Lond. 1887. P. 8vo, 2s. Lp.
- 434 **Hasluck, P. N.** Wood turners' handy book, tools, appliances, etc. Lond. 1887. P. 8vo, 2s. 80c. Lp—Wal.
- 434a **Hastings, C. W.**, ed. Photographic holiday work: being the special number of "The Amateur Photographer". Lond. 1888. 1s. Hp.
- Hats* 1526a; see 864 part 18; 921a, 1401; see also Felt.
- Havana* Cigars, see Cigars—Tobacco.
- 435 **Haweis, Mrs. H. R.** Art of decoration with num. illus. Lond. 1881. P. 8vo, 10s 6d. Ci.
- 436 **Hawkings, J.** Tradesman's guide to superficial measurement: tables. 3d ed. Lond. 1884. 12mo, 3s 6d. Lp.
- 437 **Haworth, M. E.** Road scrapings, coaches and coaching. Lond. 1881. 8vo, 10s 6d. Ti.
- 438 **Hayes, J. L.** The Angora goat; with appendix on the Alpaca and its congeners, or wool-bearing animals of the Cordilleras of the Andes. N. Y. 1882. 12mo, \$1.50. Ju.
- Hay* Measurer 873; see 1401.
- Headstones* 105, 1241; see also Crosses—Monuments.
- Heating* Houses, see Steam-Fitting.
- 439 **Hedges, I. A.** Sugar-canes: their products, culture and manufacture. Rev. and enl. ed. St. Louis 1881. 16mo, \$1.00. Hab.
- Heliography* 578a; see also Engraving—Etching—Heliotype—Photography.
- Heliotype* 875; see 1015a, 1346a.
- 440 **Hellyer, S. S.** Lectures on the science and art of sanitary plumbing. Lond. 1882. P. 8vo, 4s 6d. Bi.
- 441 **Hellyer, S. S.** Plumber and sanitary houses. 3d ed. Lond. 1884. Roy. 8vo, 10s \$4.00; the same, 4th ed. 1887. Roy. 8vo, 10s 6d. \$4.25. Bi—Caa—Mu—Va—Wal.
- Hemp* 1235; see 808a, 918 vol. 1; 921a; see also Flax—Jute—Rope—Tow.
- 442 **Hepworth, T. C.** Magic lantern: lime light, oxygen gas, etc. Lond. 1884. 12mo, 1s 6d and 1s. Ci.
- 442a **Hepworth, T. C.** The book of the lantern: being a practical guide to the working of the optical (or magic) lantern, with full and precise directions for making and colouring lantern pictures. Illus. Lond. 1888. P. 8vo, 3s 6d. Way.
- 443 **Hepworth, T. C.** Photography for amateurs: a non-technical manual for the use of all. Illus. Lond. 1884. 16mo, 1s 6d and 1s. 60c. Cag—Cd—Mu.
- 444 **Hessel, J. H.** Haarlem, the birthplace of printing, not Mentz. Lond. 1887. 8vo, 5s. Sao.
- 445 **Hibberd, Shirley.** Book of the marine aquarium. New ed. Lond. 1884. 12mo, 1s. Gam.
- 446 **Hibberts' Instructions** for the knitting frames. Lond. 1887. 4d. Mf.
- Hides* 1165; see 259; see also Fur—Leather—Parchment—Skins—Tanning—Tawing.
- 447 **Higgin, L.** Art as applied to dress, and to harmonious colour. Lond. 1885. Sq. 16mo, 2s 6d. Ve.
- 448 **Higgins, C.** Patent, design and trade marks act, 1883. Lond. 1884. 8vo, 12s 6d. Cac.

- 449 **Hildeburn, C. R.** A century of printing: the issues of the press in Penn. 1685-1784. 2 vols. Phila. 1885-87. 4to, \$7.50 each. Had.
- 450 **Hill, F. P.** Lowell illustrated: chronological record of events and historical sketches of the large manufacturing corporations, with 31 pl. Lowell, Mass. 1884. Obl. 4to, \$5.00. Hae.
- 451 **Hill, F. S.** Porcelain painting after the Dresden method. N. Y. 1883. 12mo, pap. 35c. Jv.
- 453 **Hindes' acts of parliament for the people.** No. 2: Brewing and licensing act, 1880. 4d. No. 5: Burial laws amendment act, 1880. 6d. No. 9: Patent act, 1883. 1s. Lond. 1880, '83. Cr. 8vo, pap. 4d, 6d, 1s. Hal.
- 454 **Hinton, J. W.** Guide to the purchase of an organ. Lond. 1882. Cr. 8vo, 1s. Rd.
- 454a **Hints** about men's dress: right principles economically applied, by a New York clubman. N. Y. 1888. 24mo, pap. 30c. Ap.
- 455 **Hints** for amateurs in photography. Phila. 1887. Pap. 10c. M.
- 457 **Hints** for painters, decorators and paper-hangers: selection of useful rules, data, memoranda, methods and suggestions for house, ship and furniture-painting, paper-hanging, gilding, color-mixing and other matters useful and instructive for painters and decorators, prepared with special ref. to the wants of amateurs by an old hand. N. Y. 1882. 12mo, pap. 25c. Caa—Cag—Ib—Wal.
- 458 **Hints** on cutting, by one of the most successful cutters in London. Lond. 1882. Cr. 8vo, 3s. Way.
- 460 **Hipkins, A. J.,** and Gibb. Musical instruments: historic, rare and unique, with intro. and descriptive notes. Illus. by 50 pl. in colors. Lond. 1887. Fol. half cloth \$50.00. Bv—Mb.
- 461 **Hirth, G.** Album: classical designs for white, etc. embroidery, etc. Lond. 1882. Sup. roy. 8vo, 5s. Fm.
- Hispano-Moresco Wares 1245; see also Majolica.*
- 462 **Hitchcock, J. B. W.** Etching in America; with lists of American etchers and notable collections of prints. N. Y. 1886. 12mo, \$1.25. Sap—Wab.
- 462a **Hitchcock, R.** Important new etchings, by American artists; text by R. Hitchcock. N. Y. 1888. Folio, \$7.50. Sap.
- 463 **Hoadley, J. C.** Warm blast-furnaces. N. Y. 1886. 8vo, \$1.50. Wag.
- 463a **Hodgson, F. T.** The builders' guide, and estimators' price book. Being a compilation of current prices of lumber, hardware, glass, plumbers' supplies, paints, slates, stones, limes, cements, bricks, tin, and other building materials; also, prices of labor, and cost of performing the several kinds of work required in building. Together with prices of doors, frames, sashes, stairs, mouldings, newels, and other machine work. To which is added a large number of building rules, data, etc. N. Y. 1882. 16mo, \$2.00. Cag—Ib—Mu.
- 464 **Hodgson, F. T.** Handsaws: how to choose, use and file them. Illus. N. Y. 1883. 12mo, \$1.00. Caa—Cag—Ib—Wal.
- 464a **Hodgson, F. T.** Hints and practical information for cabinet makers, upholsterers and furniture men generally, together with a description of all kinds of finishing, with full directions therefor, varnishes, polishes, stains for wood, dyes for wood, gilding and silvering, receipts for the factory, lacquers, metals, marbles, etc.; pictures, engravings, etc.; miscellaneous. N. Y. 1884. 12mo, \$1.00. Caa—Cag—Ib—Wal.
- 465 **Hodgson, Fred. T.** Plaster and plastering: how to make and how to use; with a glossary of terms used in plastering. N. Y. 1886. 12mo, \$1.00. Caa—Cag—Ib—Mu—Va—Wal.
- 466 **Hoe, Rob.** Lecture on bookbinding as a fine art; delivered before the Grolier Club, Feb. 26th, 1885; with 63 illus. N. Y. 1886. Sq. 8vo, \$7.50. Gal.
- 467 **Hoffer, R.** Practical treatise on caoutchouc and gutta-percha: properties of the raw materials, manner of mixing and working them, with the fabrication of vulcanized and hard rubbers, water-proof substances, etc. Trans. by Wm. T. Braunt. Illus. Phila. 1883. 12mo, \$2.50. 12s 6d. Bb—Hm—Lab—Mu.
- 468 **Hofmann, C.** Practical treatise on the manufacture of paper in all its branches. Illus. Phila. 1883. 4to, \$35.00. 84s. Bb—Lab—Mu.

Hog-raising, see Butcher Trade—Meat Production—Mutton—Pork.

- 469 **Holly, H. W.** Art of saw filing. Illus. N. Y. 1882. 16mo, 75c.
Caa—Mu—Wag—Wal.
- 470 **Holmes, J. E.** Handbook of cotton spinning for young corders, etc. Lond. 1887. 12mo, 1s 6d.
Hac.
- 471 **Holt, A.** Fancy dresses: what to wear at fancy balls. 2d ed. Illus. Lond. 1881. P. 8vo, 3s 6d. The same, 5th ed. Lond. 1887. P. 8vo, 5s. \$2.50.
Rr—Si—Way.
- 472 **Holt, A.** Gentlemen's fancy dresses: how to choose it, etc. Illus. 3d ed. Lond. 1887. 8vo, 3s 6d and 2s 6d.
Way.
- 473 **Home Sanitation:** manual for housekeepers. Bost. 1887. 16mo, 50c. Te.
Home Beautifying, see *House*.
Home Decoration, see *Decoration* — *Fresco Painting* — *House Dec.* — *Ornaments*.
Home Industries, see *Handicraft* — *Ladies' Work* — *Needlework* — *Women's Work*.
Home Occupations 773; see also *Needlework*.
Honiton Lace 663f; see also *Lace*—*Needlework*.
- 474 **Hood, C.** Practical treatise on warming buildings by hot water, steam and hot air, on ventilation, etc.; also an inquiry into the laws of radiant and conducted heat, the chemical constitution of coal, and the combustion of smoke. 6th ed. Lond. 1885. 8vo, 12s 6d. \$5.00.
Caa—Mu—Sai—Va—Wal.
- 475 **Hooper, Egbert G.** Manual of brewing: scientific and technical. 2d ed. Lond. 1882. P. 8vo, 5s. The same, 3d ed. Lond. 1884. P. 8vo, 7s 6d. \$3.00.
Bb—So.
- 476 **Hopkins, Ed. J.** The organ, its history and construction: comprehensive treatise on the structure and capabilities of the organ, with specifications and suggestive details for instruments of all sizes, with a history by Ed. F. Rimbault. 3d ed. Illus. Lond. 1887. 8vo, £1. 11. 6. \$12.50. Cad—Va.
- 477 **Hopkins, H. L.** Law and facts on patents and inventions: practical and legal business guide for developing, patenting, perfecting, manufacturing and operating inventions. Chic. 1887. 16mo, leatherette \$1.00, pap. 50c. Jd.
Hops and *Hop-picking* 878, 1449, 1495, 1530; see 384*, 619a, 918 vol. 1; see also *Malt*.
Horn and *Hornworking*, see 123, 918 vol. 1; 1506; see also *Buttons*—*Combs* — *Turning*.
Horology 810; see 918 vol. 4; see also *Campanology*—*Clocks*—*Watches*.
Horsehair, see 918 vol. 1; see also *Mattresses*.
Horseshoeing 349, 689, 723, 1042, 1323, 1477; see 239, 644a, 1401; see also *Anvil*—*Forge*.
Hosiery 1228, 1309, 1475; see 384*, 1093; see also *Cotton*—*Cotton Goods*—*Cotton Yarn*—*Haberdasher*—*Knitted Fabrics*—*Millinery*—*Socks*—*Stockings*—*Wool*—*Wool-work*—*Yarns*.
Hotelkeeper, see *Bartender*—*Beer*—*Boardinghouses*—*Innkeeper*—*Liquors*—*Wines*.
- 478 **Houlston's Industrial Library.** Lond. (1884). No. 1 Baker 1s. No. 8 Confectioner 1s 6d. No. 12 Dairymaid 1s. No. 13 Dressmaker and milliner 1s. No. 21 Cabinetmaker 1s. No. 23 Laundrymaid 1s. No. 28 Draper and haberdasher 1s 6d. No. 29 Plumber, painter and glazier 1s. No. 31 Printer 1s 6d.
House-beautifying, see *Amenities* — *Beautifying* — *Cabinet-making* — *Decoration*—*Fresco*—*Furnishing*—*Ladies' Work*.
- 478a **House-flags** and funnels of the English and foreign steamship companies and private firms. Containing in all 450 different flags, with an alphab. index. (Sunderland) Lond. 1888. Obl. 2s 6d.
- 479 **Household conveniences.** Illus. N. Y. 1884. 12mo, \$1.50.
Household Decoration, see *Decor.* *Houses*—*Needlework*.
Household elegancies and *H-Taste* 300, 851, 1210; see also *Furnishing* — *Furniture*—*Needlework*.
- 480 **House-painting plainly taught:** practical manual of instruction for preparing and applying paints and varnishes, etc. N. Y. 1880. 12mo, pap. 25c.
Caa—De—Sai.
House-painting 254, 480, 632, 692, 802, 1313, 1394, 1512; see 19 vols. 2, 3; 326, 371a; see also *Graining*—*Marbling*—*Painting*—*Polishing*.

House-renting 399a; see also *Innkeeper*.

- 481 **How** to build, furnish, and decorate: consisting of elevat. and plans for houses, barns, and outbuild., with clear and concise instruc.; also a comp. treatise on house furnishing and decoration. 2d. ed. enl. Illus. N. Y. 1885. Folio, \$5.00. Caa—Cai.
- 481a **How** to make home happy: a housekeepers' handbook, comprising suggestions on home furnishing, decorations, etc. Illus. Phila. 1887. 12mo, \$1.00. Ham.
- 482 **How** to tune your own pianoforte, with scale or groundwork, etc. Lond. 1884. Sq. 16mo, 1s. Su.
- 483 **Howard, T.** Alphabet: original designs in black and red. Lond. 1883. Imp. 4to, 7s 6d. We.
- 483a **Howson, H., Sr.** Re-issued patents. Comments on the decision of the U. S. Supreme Court in the case of Miller vs. The Bridgeport Brass Co. Practical effect of the decision and its warning to inventors. Phila. 1882. 12mo, clo., \$1.00. Je.
- 483b **Huish, M. B.** Japan and its art. Lond. 1888. P. 8vo., 10s. Fi.
- 484 **Hummel, J. J.** Dyeing of textile fabrics, with 97 diagrams. Lond. 1885. 12mo, 5s. The same. Lond. 1887. 6s. \$2.50. Bh—Cd.
- 485 **Humphreys, T. D.** Polytechnic class notes: tailors' cutting class. Part 2. Lond. 1883. 4to, 2s 6d. Su.
- 486 **Humphreys, T. D.** Students' guide to practical and systematical coat-cutting. Lond. 1882. 4to, 4s. New ed. 1884. 4to, 2s. Su.
- 487 **Humphreys, T. D.** Students' guide to systematic trousers-cutting. 2d. ed. Lond. 1883. 4to, 5s. New ed. 1884. 4to, 2s 6d. Su.
- 488 **Humphrey's** Twenty-five essays on cutting by block pattern. Lond. 1884. 4to, 2s. Su.
- 489 **Hunt, B.** Handbook to the patents, designs and trade marks act, 1883. Lond. 1884. 8vo, 5s. Wm.
- 489a **Hunter, J.** Commercial precis writing: with examples of making digests of commercial correspondence. Lond. 1888. 12mo, 1s 6d. Lw.
- 490 **Husman, G.** American grape growing and wine making. New ed. N. Y. (1880) 1884. 12mo, \$1.50. Ju—Mu.
- 491 **Husman, G.** Grape culture and wine-making in California: practical manual for the grape-grower and wine-maker. San. Franc. (1888) 1887. 12mo, \$2.00, 10s. Mu—Pf—Tr.
- 492 **Huth, A. H.** On the employment of women. Lond. 1882. Cr. 8vo, 6d. Lab.
- 493 **Hutton, W. S.** Works managers' handbook of modern rules, tables, etc. 2d ed. Lond. 1885. 8vo, 15s. Lp.
- 494 **Huxley, T. H.** Technical education, and other essays. N. Y. 1885. 8vo, pap., 15c. Fn.
- 495 **Hydraulic cement:** handbook for engineers, architects, masons, etc. Milwaukee, 1886. 12mo, pap., 25c. Mil—Cc.
- Hydraulic Cement and Lime* 381a, 1230, 1262; see 465; see also *Cement—Lime—Limestone—Portland Cement*.
- Hydro-carbons* 16, 16a; see also *Paraffin*.
- Hydro Incubation* 190; see also *Incubation*.

Ice and Ices 622; see 384*, 1346a; see also *Confectionery*.

Ice (Artificial), see 864 part 18; see also *Ice-mak. Machines*.

- 496 **Ice cream and cakes:** original receipts for household and commercial use. N. Y. 1883. 12mo, \$1.50. Mu—Se.

Ice Cream 218, 496; see 384*, 997a, 1346a; see also *Candies—Confectionery—Mineral Waters*. •

Ice-making Machines 559; see 1505a part 63; see also *Ice, Artificial*.

Illustrating Books 1028; see also *Collotype—Engraving—Etching—Heliography—Helotype—Lithography—Mezzotint—Photo-engraving—Photo-etching—Photo-lithog.—Zincography*.

Imitations of Ivory, etc., see 123.

Imitations, Substitutes, etc., see 123.

Imitations of Wood and Marbles 952b.

Implements (Bronze) 321.

Implements, see *Agricultural Imp.—Barn Imp.—Barn Machinery—Farm Implem.*

- Importation of Goods* (Law on) 405b; see also *Export*.
Incubation and Incubators 138, 190, 342a, 1299; see 19 vols. 2, 3; see also *Hydro-incubation*.
Indexing 161; see also *Digest—Precis Writing*.
Indian Fibres 245a; see also *Fibres*.
Indian Industries 1097; see also *Industries*.
497 **Indian** outfits and establishments: guide for persons about to reside in India. Lond. 1882. 2s 6d. Go.
Indian Outfits 114a, 497.
498 **Indian** tea companies and gardens, with indigo, sugar, etc., manufactories. Lond. 1886. Roy. 8vo, 5s. Tc.
499 **India-rubber** and gutta-percha and their cultivation. Lond. 1883. 8vo, 3s. H.
India-rubber 499, 1165; see 384*, 864 parts 18, 19; 918 vol. 4; 1093, 1505a part 63; 1506; see also *Caoutchouc—Gutta-percha—Rubber—Water-proofing*.
Indigo 498, 582, 774a, 1338a; see 123, 691; see also *Calico-printing—Dyeing—Laundries—Washing*.
500 **Industrial arts**: historical sketches. Illus. Lond. 1881. (S. K. A. H.) La. cr. 8vo, 3s. Ch.
Industrial Curiosities 510.
Industrial Homes 407; see also *Home-occupations—Ladies' Work—Needlework—Women's Employment*.
Industrial and Medicinal Plants, see 918 vol. 1.
500a **Industrial rivers** of the United Kingdom: namely, the Thames, Mersey, Tyne, Tawe, etc., by well-known experts. Illus. Lond. 1888. 8vo, 7s 6d. U.
501 **Industrial self-instructor and technical journal**. 5 vols. Lond. 1885–88. 4to, 7s 6d each. Wb.
Industries 71a, 83, 428, 1092, 1093, 1120, 1339; see 118a, 964b; see also *Antrim—Granite, Indian, Japan, Manuf. Chem., Skandinavian, Scientific, Woolen Industries—Seats of Industries—Timber Trades—Trades—Use of Coal—Use of Iron*.
Industries of Denmark 1589; of Spain 1462.
Industries Scientific 979.
Initials 68, 1187; see also *Alphabets—Crests—Monograms—Ornaments—Scrolls*.
Initials for Embroidery 893, 1272; see also *Monograms for Embroid.—Needlework*.
Ink, Lithographic, Printing, Writing, see 123, 281a, 384*, 402, 864 part 19; 1007, 1346a, 1401; see also *Alizarin*.
Inlaid Work 877, 1321, 1562; see 19 vol. 4; see also *Buhlwork—Cabinet-making—Marquetry*.
Innkeeper 399a, 590, 667, 975a; see also *Boarding-houses*.
Instruments, see *Musical Inst.—Organ—Violin*.
502 **Insurance** blue book and guide to fire offices for 1883–84. Lond. 1883. 8vo, 2s. M.
502a **International annual** of Anthony's photographic bulletin. Lond. 1888. Imp. 8vo, 2s. Gab.
Intoxicating Drinks 267; see also *Beer—Liquors*.
Inventions 158, 628a, 804, 1014, 1082, 1146a, 1210a, 1286, 1531; see 918 vols. 1, 3, 4; see also *Edisons' Inventions—Patents—Trademarks*.
Inventors, see 918 vols. 2, 3, 4.
Irish Lace 774b; see also *Lace—Needlework*.
Iron, Use of, in Industry, see *Use*.
Ironing, see 384*.
Isinglass 263; see 384*.
503 **Intensity** coils: how made and how used, by "Dyer". 14th ed. Lond. 1886. P. 8vo, 1s. Td.
Ivory 1391, 1392, 1568; see 123, 384*, 1346a; see also *Bleaching, Dyeing and Imitations of Ivory—Celluloid—Combs*.
503a **Jackson, F. G.** Lessons in decorative design. Illus. Lond. 1888. 8vo, 7s 6d. \$2.25. Ch—Si.
504 **Jackson, G. T.** Diseases of the hair and scalp. Illus. N. Y. 1886. 12mo, subs. \$2.75. Tn.

- 504a **Jacob, S. S., and Hendley, T. H.** Jeypore Enamels. Illus. Lond. 1886. Imp. 4to, £2. 10s. Q.
- 505 **Jacobi, C. T.** The printers' handbook of trade recipes, hints, and suggestions relating to letterpress and lithographic printing, bookbinding, stationery, engraving, etc. With many useful tables, etc. Lond. 1887. P. 8vo, 3s 6d. Cl.
- 505a **Jacobi, C. T.** The printers' vocabulary: a collection of some 2,500 technical terms, phrases, abbreviations, and other expressions, mostly relating to letterpress printing, etc. Lond. 1888. Cr. 8vo, 3s 6d. Cl.
Jacquard Machine 1444a; see 737b; see also Textile Fabrics.
- 506 **Jago, W.** Chemistry of wheat, flour, and bread: bread-making, etc. Lond. 1886. 8vo, 12s 6d. Ja.
- 507 **James, M. E.** How to decorate our ceilings, walls and floors. With col. illus. Lond. 1882. P. 8vo, 4s. \$1.60. Bm—Mu.
- 508 **James, R. S.** Metal trades companion and carriers', etc. ready reckoner. 3d ed. Lond. 1885. 21s. \$8.50. Aa—Mu—Sai.
- 509 **Janvier, Chas. A.** Practical ceramics for students. Illus. Lond. 1880. 12mo, 6s. \$2.40. Ci—Hah—Va.
- Japan Art, Industries, and Manufactures 30a, 290, 483b, 774*, 1523a*; see also Industries—Manufactures.
Japanese Decorative Art 726; see also Decorative Art.
Japanese Enamels 110; see also Enamels.
Japanese Ornamentation 1107; see also Ornament.
Japanese Pottery 63; see also Pottery.
Japanning 95; see 162, 281a, 691, 877, 1007, 1401, 1506; see also Varnishes.
- 510 **Japp, A. H.** Industrial curiosities: glances in the world of labour. 3d ed. Lond. 1884. 8vo, 3s 6d. U.
Jellies 218; see also Preserving.
Jewelry 301, 306, 376, 386, 706, 1000, 1166, 1511, 1556, 1561; see 123, 918 vol. 4; 1401; see also Alum—Aluminium—Bronze—Implements—Bronzes—Celluloid—Corals—Diamonds—Electro-gilding—Electrolysis—Electromet.—Electro-plating—Engraving—Finger-rings—Gems—Gems-engraving—Gila Aurifabrorum—Gilding—Goldsmithing—Hair-ornaments—Hall Marks—Lapidary Work—Metallic Alloys—Pearls—Plate—Precious Metal—Precious Stones—Rubies—Silversmithing.
- 511 **Johnson, Mrs. E. B.** Silk-culture in Louisiana and in the Southern States. New Orleans 1882. 8vo, 50c. Ek.
- 512 **Johnson, H.** New and improved bartenders' manual. N. Y. 1882. 16mo, pap., 50c. Ip.
- 513 **Johnson, J. and J. H.** Patent designs and trade marks act, 1883, with notes. Lond. 1883. 12mo, 1s. Lw.
- 514 **Johnson, J. and J. H.** The patentee's manual. 5th ed. Lond. 1884. 8vo, 10s 6d. \$4.20. Lw—Va.
- 515 **Johnson, R.** Retouching photographic negatives: how to finish, etc. Lond. 1886. 8vo, 2s. Md.
- 516 **Joiner and cabinet-maker, enl. ed.** Lond. 1883. 12mo, 1s. Hal.
- 516a **Jolly, A.** Conversion of weights: tables showing the live and dead weight of cattle, sheep and pigs in imperial stones of 14 lbs., in Smithfield stones of 9 lbs., in cwt. and in scores, sinking the offals. (Petersborough) Lond. 1888. 64mo, 1s. Su.
- 517 **Jones, B. W.** The peanut plant; its cultivation and uses. Illus. N. Y. 1884. 12mo, pap., 50c. Ju.
- 517a **Jones, Ch.** An introduction to the science and practice of photography. Illus. Lond. 1888. P. 8vo, pap., 2s 6d. \$1.00. I—Mu.
- 518 **Jones, Mrs. C. S., and Williams, H. T.** Ladies' fancy work. Illus. N. Y. (1880). \$1 50. Ab—Pn.
- 519 **Jones, Emily G.** How to teach plain needlework. Lond. 1882. 12mo, 9d. Han.
- 520 **Jones, Emily G.** Plain needlework and cutting-out. Illus. Lond. 1884. P. 8vo, 3s 6d. \$1.00. Han—Lw.
- 521 **Jones, Emily G.** Self-teaching needlework manuals. With diagrams. Lond. 1884. I, II, III ea. 1d. 3c., IV, V, VI, VII 3d ea. 8c., complete 1s 30c. Han—Lw.
- 522 **Jones, F. W.** Theoretical and practical construction of the tricycle. Lond. 1884. 12mo, 1s 6d. I.

- 523 **Jones, O.** Grammar of ornament. Illustrated by examples from various styles of ornaments. List of plates: 1 to 3, Ornament of Savage Tribes. 4 to 11, Egyptian ornament. 12 to 14, Assyrian and Persian ornament. 15 to 22, Greek ornament. 23 to 25, Pompeian ornament. 26 to 27, Roman ornament. 28 to 30, Byzantine ornament. 31 to 35, Arabian ornament. 36 to 38, Turkish ornament. 39 to 43, Moresque ornament from the Alhambra. 44 to 48, Persian ornament. 49 to 55, Indian ornament. 56 to 58, Hindoo ornament. 59 to 62, Chinese ornament. 63 to 65, Celtic ornament. 66 to 73, Mediæval ornament. 74 to 82, Renaissance ornament. 83 to 85, Elizabethan ornament. 86 to 90, Italian ornament. 91 to 100, Leaves and flowers from nature. 28 parts, 4to. Each part contains 4 plates, executed in colors in the best style of chromo-lithography, with descriptive text. Lond. 1880. 4to, £5 5s. \$28.00. Baf—Cag—Mu—Q.
- 523a **Jones, W. L., ed.** Mercantile year book (the) and directory of exporters, 1888: guide to the wholesale and export business of London in street order, for the use of merchants, manufact., and exporters. Lond. 1888. P. 8vo, 6s. Jn.
- 523b **Journal** of decorative art (the) vol. 7. (Manchester) Lond. 1888. 4to, 10s. Vc.
- Jute* 825, 826; see 864 part 19; 918, 921a, 1093; see also Flax—Hemp—Rope—Tow.
- Kalsomine* and Kalsomining 371, 692; see 281a, 384*, 480, 1007, 1346a; see also Lime—Limestone—Whitewashing.
- 524 **Keene, J. H.** Fishing tackle, its materials and manufacture. Illus. Lond. 1886. P. 8vo, 3s 6d. \$1.25. Fr—Wb.
- 525 **Kelly's** Anglo-American directory of the leather trades. 4th ed. Lond. 1885. Roy. 8vo, 20s. Ka.
- 526 **Kelly's** Directory of the cabinet, furniture, etc. trades connected. 2d ed. Lond. 1886. Roy. 8vo, 20s. Ka.
- 527 **Kelly's** Directory of the engineers', iron and metal trades, etc. 5th ed. Lond. 1886. Roy. 8vo, 30s. Ka.
- 528 **Kelly's** directory of the grocery, oil, colour, tobacco, etc. trades. 3d ed. Lond. 1884. Roy. 8vo, 30s. Ka.
- 529 **Kelly's** directory of the manufactures of textile fabrics, 1880. Lond. 1881. Roy. 8vo, 30s. Ka.
- 530 **Kelly's** directory of the merchants, manufacturers and shippers of United Kingdom. 3d ed. Lond. 1884. Roy. 8vo, 30s. Ka.
- 531 **Kelly's** directory of the wine and spirit trades, brewers, malsters, etc. Lond. 1884-85, '87. Roy. 8vo, 25s each. Ka.
- 532 **Kemble, M., ed.** Art recreations: guide to decorative art. Illus. Bost. 1884. 12mo, \$2.00. Th.
- Kensington* Stitch, see 790; see also Embroidery—Needlework.
- 533 **Kentish, Th.** Pyrotechnists' treasury. Illus. Lond. 1884. Cr. 8vo, 4s 6d. The same, 2d ed. 1887. P. 8vo, 5s. \$2.00. Ci—Mu—Va.
- 534 **Kerr, R. W.** History of the government printing office at Washington, D. C., with brief record of the public printing 1789-1881. Phila. 1881. 8vo, \$1.00. Io.
- Kerosine*, see Paraffin—Petroleum.
- Keys* 728; see also Locks.
- 535 **Kick, F.** Flour manufacture: treatise on milling science and practice, trans. from the 2d enl. and rev. ed. with suppl., by H. H. P. Powles. Illus. Lond. 1888. Roy. 8vo, 25s. \$10.00. Bb—Lp—Mu—Va
- Kiln*, see 1505a, part 69; see also Fire Bricks—Lime—White-washing.
- 536 **Kimball, H. I.** International cotton exposition at Atlanta, Ga. 1881. N. Y. 1882. 8vo, \$5.00. Ap.
- 537 **King, C. W.** Handbook of engraved gems. Illus. Lond. 1885. 8vo, 10s 6d. Bm—Ln—Si—Va.
- Kitchen* Boiler 1289; see also Steam-Fitting.
- 539 **Klimke, A.** Guide to china painting for amateurs, trans. from the German. Lond. 1882. 12mo, 1s. W.
- Knick-knacks* 201a, 891; see also Bric-a-brac—Fancy Articles.
- Knitted* Fabrics, see 864 part 19; 921a; see also Haberdasher—Hosiery—Millinery—Socks—Stockings.

- Knitting* 127, 164a, 231, 242a, 403, 446, 576, 663m, 799a, 905, 995a, 1278, 1362a, 1475, 1560; see also *Millinery—Needlework*.
Knitting Machine, see 1505a part 69.
Knots 103, 153; see also *Cordage—Ropemaking*.
- 540 **Knowles, N.** *Tables of slubbing, intermediate, and roving-frames, etc.* Lond. 1885. 64mo, 3s 6d. \$1.50. Bb—Hac.
- 541 **Koehler, S. R.** *American art; illus. by 25 pl., executed by the best American etchers and wood-engravers, from paintings selected from public and private collections, with text.* N. Y. 1886. Folio; price on application. Cd.
- 542 **Koehler, S. R.** *Etching: an outline of its technical processes and its history, with some remarks on collections and collecting; illus. by 30 plates by old and modern etchers, and many reproductions in the text.* N. Y. 1885. 4to, \$20.00; ½ mor., \$30.00; full mor., \$40.00. Ed. de Luxe lim. to 60 cop. Jap. pap., \$100.00. Cd.
- 543 **Koehler, S. R.** *Foreign etchings: collection of 20 original etchings by celebrated artists of France, Germany and England.* Bost. 1886. Portfolio, \$15.00. Ec.
- 544 **Koehler, S. R.** *Twenty American etchings, original and reproductive by H. Farrer, etc., after paintings by G. Stuart, W. Allston, etc., with text limited to 350 copies.* Troy and Bost. 1887. Folio, \$15.00. Ec—Ni.
- 545 **Kookogey, W. P.** *Patent law in brief.* N. Y. 1884. 8vo, pap. \$1.00. Bc. *Koumiss* 176; see 123.
- Labels—firms, who make them*, see 584.
Labels 145, 152; see also *trade-marks*.
Lace 70, 116, 117, 205, 560a, 560b, 663b, 774b, 892, 904, 1228, 1279, 1298, 1358; see 73, 384*, 663d, 663f, 663n, 864 part 19; 1093, 1444a; see also *Devonshire—Honiton—Irish—Macrame—Point—Lace—Lace-making Machines—Lace—Embroidery—Millinery*.
Lacquers and Lackering 22, 122, 371; see 95, 123, 281a, 464a, 587, 691, 877, 1007, 1136, 1381a, 1401, 1506; see also *Graining—Painting—Varnishes—Veneer*.
- 546 **Ladies' dress book** (All about it books). Lond. 1885. 2s 6d. Ri—Wb.
Ladies' Dress, see *Dress—Fans*.
Ladies' Fancy Work 242b, 518, 557; see also *Embroidery—Fairs—Fancy Articles—Needlework—Toile-crosee*.
Ladies' Work 72, 198, 1039, 1040; see 1309; see also *Dress—Embroidery—Linen Work—Millinery—Needlework—Table-decoration*.
- 547 **Ladies' Handbook of fancy needlework; containing 400 new designs.** Lond. 1882. P. 8vo, 5s. \$2.00. Ri—Wb.
- 548 **Lalaune, M.** *Etching: text and plates, trans. by S. R. Koehler.* 3d. ed. Lond. 1884. Roy. 8vo, 12s 6d. Lab.
- 549 **Lalaune, M.** *Treatise on etching.* Author. Am. ed. with plates. Bost. 1880. 8vo, \$3.50 and \$6.50. Ec—Mu.
- Lamps*, see 384*; see also *Candles—Candle-stick—Petroleum—Wicks*.
- 550 **Landells, E.** *The boys' own toy maker.* New; rev. and enl. ed. Lond. 1881. Sq. 16mo, 2s 6d. Gag.
- 551 **Lander, Meta.** *The tobacco problem.* Bost. 1886. 12mo, \$1.25. Da.
- Landscape Photography* 790a, 790b; see also *Photography*.
Lantern, see *Magic Lanterns*.
Lapidary Work, 1136; see 1401; see also *Jewelry*.
- 552 **Larkin, J.** *Brass and iron founders' guide.* 12mo, cloth. Phila. 1881. \$2.25. Bb—Mu—Sai—Va.
- Lathe* 431, 1142, 1366, 1382, 1421, 1540, 1562; see 19 vols. 1, 2, 3, 4, 5, 6; 865b, 918 vols. 2, 3, 4; 1381a; see also *Horn—Turning—Wood*.
- Laundries* 478; see 1401; see also *Borax—Cleaning—Cleansing—Clothes-lines—Cutting and Washing Machinery—Dyeing—Indigo—Ironing—Printing—Scouring—Soap—Soda—Washing*.
- 553 **Laws, J. B.** *Compensation for unexhausted manures.* Lond. 1883. Cr. 8vo, 6d. Rn.
- Law on sales of Goods, Merchandise and wares* 50a; see also *Storekeeping*.
Laws relating to Factories and workshops 327; see also *Factories*.
- 555 **Lawson, W. N.** *Patents, designs and trade marks practice under act of* 1883. Lond. 1884. 8vo, 15s. Baz.

- 556 **Lawson, W. N.** Practice as to letters patent for inventions, etc. Lond. 1884. 8vo, 15s. Baz.
- 557 **Leach, Mrs.** Fancy work basket: needlework, crewel work, etc. 3 vols. Lond. 1886-88. Roy. 8vo, 3s each. Ch.
- Lead* 763a; see 384*, 552, 587, 918 vol. 3; 1409, 1429*, 1456a, 1505a, part 70; see also Graphite.
- Lead oxides* 763a.
- 558 **Lear, H. L. S.** Precious stones. Lond. 1882. 3s 6d. The same, 3 vols. 48mo, 1s each. Ro.
- Leather* 259, 525, 835, 835a, 990, 1165, 1481; see 123, 402, 864 parts 19, 20; 918 vol. 1; 1093, 1506; see also Harness—Hides—Modelling in Leather—Paraffin—Saddlery—Shoemaking—Tanning—Tawing.
- Leather-work* 566.
- 559 **Le Doux, M.** Ice-making machines, trans. from French. (V. N. S. S.) N. Y. 1879. 18mo, bds. 50c. Sai—Va.
- 560 **Lee, A.** Marble and marble workers: handbook for architects, artists, masons and students. Lond. 1888. 12mo, 2s. 80c. Lp—Mu.
- 560a **Lefebure, E.** Embroidery and lace: their manufacture and history from the remotest antiquity to the present day, trans. and enl. with notes by A. S. Cole. Illus. Lond. 1888. Dem. 8vo, 12s 6d. \$4.00. Gad—Si.
- 560b **Lefebure, E.** The same. Phila. 1888. 8vo, \$3.50. Li.
- 561 **Lefebore, H., and Haynes, E.** Timber trades' journal, shipping marks, etc. Lond. 1883. Sq. 16mo, 6s. Rm.
- 562 **Leigh, W.** Practical cotton spinner and managers' assistant. (Manchester 1876-78). 1883. Cr. 8vo, 2s. The same, 6th ed. London 1888. 12mo, 2s 6d. \$1.00. Bb—Su.
- 563 **Leighton, J.** Suggestions in design: sketches and styles of ornament applied in decorative and constructive arts, by J. K. Colling. Lond. 1881. 4to, 42s. \$15.00. Bw—Caa.
- 564 **Leland, C. G.** Ceramic painting; illus., with supplement. N. Y. 1885. 4to, pap. 35c. AD—Cag.
- 565 **Leland, C. G.** Designs for brass repousse work. In 3 parts, each 12 plates and 1 part of text. N. Y. 1885. Obl. Folio, pap., ea. \$1.50, set \$4.00. AD—Cag.
- 566 **Leland, C. G.** Leather work. Illus. N. Y. 1885. 4to, pap. 35c. AD—Cag.
- 567 **Leland, C. G.** The minor arts: porcelain painting, wood carving, stencilling, modelling, mosaic work, etc. Illus. Lond. 1880. Cr. 8vo, 2s 6d. 90c. Mb.
- 568 **Leland, C. G.** Papier-mache. Illus. N. Y. 1885. 4to, pap. 35c. AD—Cag.
- 569 **Leland, C. G.** Repousse work; or, embossing on sheet brass; illus. with supp. N. Y. 1885. 4to, pap. 35c. AD—Cag.
- 570 **Leland, C. G.** Stencilling. Illus. N. Y. 1885. 4to, pap. 35c. AD—Cag.
- 571 **Leland, C. G.** Wood-carving. Illus. N. Y. 1885. 4to, pap. 35c. AD—Cag.
- 572 **Leno, J. B.** Art of boot and shoemaking. Illus. Lond. 1885. P. 8vo, 5s. The same, 2d ed. 1887. P. 8vo, 2s 6d. Lp.
- 573 **Leonard, C. H.** The hair: its growth, care, diseases and treatment. Detroit 1880. 8vo, \$2.00. Lb—Li.
- 574 **Lessley, M.** Treatise on embalming, including a full and concise description of the methods to be employed for the preservation of the human body after death, by chemical or other known processes. Toledo, Ohio, 1884. 12mo, pap. \$3.00. Lc.
- Letter-fonndries* 771; see also Electrotyping—Printing—Printing-types—Type Foundry.
- Lettering and Letter-painting* 46, 242e; see 371a; see also Alphabets—Monograms—Sign-painting.
- Letters for Embroidery*, see Monograms for E.
- 575 **Letts, C.** Wine bin book: improved form of cellar book. Lond. 1881. 4to, 1s 6d. Ld.
- Levulose* 942; see also Starch—Sugar.
- 576 **Lewis, Mrs.** Directions for knitted socks and stockings. (S. P. C. K.) Lond. 1883. 12mo, 4d. Ch.
- 577 **Lewis, F.** China-painting: manner of mixing and applying the colours, with 16 col. plates. Lond. 1884. 4to, 5s. \$2.50. Cd.

- 577a **Licensed victuallers' year book for 1889.** Lond. 1888. 8vo, pap. 1s. Can.
 578 **Licensing laws:** more than 2,000 items relating to brewers, distillers, etc. Lond. 1882. 12mo, 1s. Wb.
Liebig's Extract, see 384*; see also *Extracts*.
 578a **Lietze, E.** Modern heliographic processes: manual of instruction in the art of reproducing drawings, engravings, manuscripts, etc., by the action of light, for the use of engineers, architects, draughtsmen, artists and scientists, with 32 illus. on wood and 10 specimen heliograms. N. Y. 1888. 8vo, \$3.00. Va.
Lightning Conductors, see *L-Rods*.
Lightning Rods 21, 701, 859, 907, 1383, 1432a; see 384*, 918 vol. 1.
Lime 155, 675*, 739, 1262, 1428, 1458; see 170, 384*, 463a, 465, 865a part 6; 1456a, 1505a part 72; see also *Calcium Comp.*—*Chalk*—*Gypsum*—*Hydraulic Cement*—*Kalsomine*—*Limestones*—*Plastering*—*Stucco*—*Whitewashing*.
Lime-stones 92b, 156; see also *Calcium Comp.*—*Gypsum*—*Kalsomine*—*Lime*.
Linen 885, 1093, 1151, 1555; see 60a, 384*, 864 part 20; 921a, 1346a; see also *Flax*—*Weaving*.
Linen (Transparency Painting on), 1575.
Linen Work 885; see also *Ladies' Work*—*Needlework*.
Lining Oil Paintings 1396; see also *Bookbinding*.
 580 **Linton, W. J.** The history of wood engraving in America. Lond. 1882. Fol., 31s 6d. \$7.50. Bm—Ec.
 581 **Linton, W. J.** Wood engraving: a manual of instruction. Lond. 1884. 8vo, 10s 6d. Bm.
 581a **Lippmann, F.** The art of wood engraving in Italy in the 15th century. Lond. 1888. Imp. 8vo, 25s. Q.
Liqueurs 121, 372, 1203; see 123, 281a, 384*, 865, 1175; see also *Absinthe*—*Aromatic Waters*—*Arsenic*—*Bartenders' G.*—*Beverages*—*Bitters*—*Cider*—*Cordials*—*Distillation*—*Elixirs*—*Essences*—*Extracts*—*Filters*—*Gauging*—*Gin*—*Liquors*—*Mineral Waters*—*Olive Oil*—*Rectifying*—*Syrup*—*Vinegar*—*Wine*—*Yeast*.
 581b **Liquor transportation; decision of the U. S. Supreme Court on the Iowa appeals, March 19th, 1888.** Official copy. N. Y. 1888. 12mo, pap. 10c. Na.
Liquors 121, 348, 601, 607, 655, 664, 705, 737a, 954, 1113, 1137, 1203, 1229, 1360, 1400, 1448, 1453; see 581b, 617a, 1175; see also *Acid*—*Alcohol*—*Arsenic*—*Bartenders' G.*—*Beer*—*Distillation*—*Gauging*—*Intoxicating Drinks*—*Rectifying*—*Rum*—*Spirit*—*Vinegar*—*Whiskey*.
 582 **List of Indian tea gardens, coffee estates, indigo concerns, etc., 1883.** Lond. 1883. Roy. 8vo, 5s. Tc.
 583 **List of technical terms, by editor of "Printing Times and Lithographer".** Lond. 1883. P. 8vo, 1s 6d. Way.
 584 **Lithographers' Directory:** for lithog., photographers, and for all allied arts and trades in the U. S. and Canada, Mexico, Central and South America. N. Y. 1887. 8vo, bds., \$3.00. Lm.
Lithography 505, 583, 584, 758, 780, 781; see 19 vol. 4; see also *Alphabets*—*Color*—*Chromatography*—*Ink*—*Illustrating Books*—*Ornaments*—*Printing*.
 584a **Little, J. B.** Law of burial, with the acts, regulations, notes and cases. Lond. 1888. 8vo, 10s. Sm.
 584* **Lloyd, J. U.** Elixirs: history, formulae and method of preparation. Cinc. 1883. 12mo, \$1.25. Caa—V.
 584b **Locher, C.** An explanation of the organ stops; with hints for effective combinations. Trans. by A. Schauenburg. Illus. Lond. 1888. 8vo, 5s. Pe.
 584c **Lock, C. G. W., ed.** Coffee; its culture and commerce in all countries. W. 11 pl. Lond. 1888. P. 8vo, 12s 6d. \$4.00. Mu—Sai.
 585 **Lock, C. G. W., and others.** Sugar-growing and refining. 2d ed. Lond. (1882) 1885. 8vo, 30s. \$12.00. Mu—Sai.
 585a **Lock, C. G. W., and Newlands.** Sugar: A handbook for planters and refiners. Illus. Lond. 1888. 8vo, 30s. \$10.00. Sai.
 586 **Lock, C. G. W.** Tobacco; growing, curing, and manufacturing: handbook for planters in all parts of the world. Illus. Lond. 1886. 8vo, 7s 6d. \$3.00. Mu—Sai.
 587 **Lock, C. G. W.** Workshop receipts, third series. Lond. 1884. P. 8vo, 5s. \$2.00. Mu—Sai.

- 588 **Lock, C. G. W.** Workshop receipts: vol. 4, devoted mainly to handicraft and mechanical subjects. Illus. Lond. 1885. 8vo, 5s. \$2.00. Mu—Sai.
Locks 728, 1045, 1534; see 918 vols. 3, 4; 1505a parts 72, 73; see also *Keys*.
- 589 **Lockwood, H.** Directory of the paper, stationery and printing trades. (Annual.) 6th to 14th ed. N. Y. 1880—88. Cr. 8vo, \$2.00 each. Lo.
Contains only such printers who are stationers.
- 590 **Loftus's** innkeepers' laws and regulations. Rev. and enl. ed. Lond. 1882. 8vo, 1s 6d. Lu.
- 591 **Loefvall, Mdme.** How to cut, fit, and finish a dress. Lond. 1886. 12mo, 1s 6d. Gag.
- Logs*, see *Lumber*.
- 592 **Lomas, J.** The alkali-trade: including manufacture of sulphuric acid, sulphate of soda, and bleaching powder. Illus. Lond. 1880. Sup. roy. 8vo, £2. 12. 6. Lp.
- 593 **Lomas, J.** The same. 2d ed. Lond. 1886. Roy. 8vo, 30s. \$7.50. Lp—Mu.
- 594 **Long, J.** British dairy farming and chief continental systems. Lond. 1885. P. 8vo, 9s. Ch.
- 595 **Long, J., and Morton.** The dairy of the farm. Lond. 1885. P. 8vo. 2s 6d. Bag.
- 595a **Longmore, Sir T.** Illustrated optical manual, for the guidance of surgeons in testing quality and range of vision, and distinguishing and dealing with optical defects. 4th ed. Lond. 1888. 8vo, 14s. \$4.50. Lw.
Looking glasses 1258; see 756a; see also *Mirror Painting*.
Loom Fixing and Looming 50b, 1426, 1475; see 133a; see also *Cotton Spinning*
Fustian Manuf.—Weaving.
Lotions 1108; see also *Perfume*.
- 596 **Lovibond, T. W.** Brewing with raw grain: a practical treatise. Lond. 1883. P. 8vo, 5s. \$2.00. Bb—Mu—Sai.
- 597 **Low, W.** Table decoration. Illus. Lond. 1887. 8vo, 6s. Ch.
Lozenge Making 1565; see also *Confectionery—Dextrine—Sugar-boiling*.
Lubricants 173; see 120, 123, 281a, 587, 1506; see also *Blackening—Grease—Paraffin*.
- 598 **Lukin, J.** Picture frame making for amateurs: practical instruction. Illus. Lond. 1882. P. 8vo, 2s. Go.
- 599 **Lukin, J.** The same. Illus. Lond. 1887. P. 8vo, 1s. 40c. Bk—Mu.
- 600 **Lukin, J.** Toy making for amateurs: home construction of toys. Lond. 1882. P. 8vo, 4s. Go—Mu.
- 600a **Lukin, Ja., ed.** Turning lathes: manual for technical schools and apprentices, a guide to turning, screw-cutting, metal-spinning, etc. Illus. Lond. 1888. P. 8vo, 3s. \$1.00. Mu—Sai.
Lumber 413, 1135, 1195, 1356, 1486; see 463a, 1346a, 1401; see also *Boxes—Conversion of T.—Hardwood T.—Planing Mill—Saw Mill—Timber—Wood*.
- 601 **Lunge, G.** Distillation of coal tar and ammoniacal liquor, etc. Lond. 1882. 8vo, 21s., \$8.50. Gau—Mu—Vb.
- 602 **Lunge, G.** Coal tar and ammonia, being an enl. ed. of "Distillation of coal tar, etc." Lond. 1887. 8vo, 31s 6d. Gau.
- 603 **Lunge, G.** Theoretical and practical treatise on the manufacture of sulphuric acid and alkali, with the collateral branches. 3 vols. Lond. 1879-81. 8vo, 60s. \$35.00. Gau—Mu—Va—Vb.
- 604 **Lunge, Prof., and Hurter, Dr. F.** Alkali makers' pocket book, tables for manufacture of sulphuric acid, nitric acid, soda, potash and ammonia. Lond. 1884. Cr. 8vo, 7s 6d. \$3.00. Bm—Va.
- 605 **Maberly, J.** The print collector: knowledge necessary for forming a collection of ancient prints; with Fielding's treatise on the practice of engraving. Illus. N. Y. 1880. Sq. 8vo, \$6.00. Do.
- 607 **McDougall, T., and others.** The liquor question in the Ohio campaign of 1883: The Scott Law and its principles vs. the 2d or prohib. amendment. Cinc. 1883. 8vo, pap., 25c. Caa.
- 608 **Macfie, R. A.** Copyright and patents for inventions, vol. 2. Lond. 1883. 8vo, 5s. Hb.
- 609 **MacGeorge, A.** Flags: some account of their history and uses. Lond. 1881. 4to, 12s 6d. \$3.75. Bw—Si.

- 609a **MacKellar, Th.** The American printer: manual of typography, containing complete instructions for beginners, as well as practical directions for managing all departments of a printing office. 16th rev. ed. Illus. Phila. 1887. 8vo, \$2.00. Ma—Mu—Sai.
- 609b **Mackenzie, J.** Modern butter-making and dairy machinery appliances and utensils. (Dublin) Lond. 1888. Roy. 8vo, pap. 2s. Su.
- 610 **McLaren, W. S. B.** Spinning woolen and worsted. Illus. Lond. 1884. 12mo, 4s 6d. \$2.00. Bb—Cd.
- 611 **McLaughlin, M. L.** China painting, for amateurs. Cinc. 1882. Sq. 16mo, bds. 75c. Caa.
- 612 **McLaughlin, M. L.** Pottery decoration under the glaze. Illus. Lond. 1881. Sq. 16mo, 5s. The same, Cinc. 1880. Sq. 12mo, pap. \$1.00. Caa—Lp.
- 613 **McLaughlin, M. Louise.** Suggestions to china painters. Lond. 1884. Sq. 16mo, 5s. \$1.00. Caa—Lp.
- 614 **Maclear, Mrs.** The cutter-out: diagrams and tables for cutting out under-linen. With explanations and suggestions. 2 parts. Illus. Lond. 1887. 4to, 1s 6d. 55c ea.; complete in portfolio, 3s 6d. \$1.25. Lw.
- Macrame* Lace 663n, 892; see also Lace—Needlework.
- Madeira* Wine 963; see also Wine.
- 615 **Magic lantern:** how to buy and use it, and how to raise a ghost. 30th thous. Illus. Lond. 1884. Cr. 8vo, bds. 1s. Hal.
- 615a **Magic lantern (the):** its construction and management, by a practical hand. Illus. Lond. 1888. Cr. 8vo, pap. 1s, cloth 2s 6d. \$1.00. Mu—Wb.
- Magic Lantern* 180, 442, 442a, 615, 615a, 996a; see 19 vols. 4, 6; 918 vol. 4; 1346a.
- Mahogany* Trades, see 933a; see also Wood.
- 616 **Maio, V. V.** The viniculture of claret: treatise on the making, maturing and keeping of claret wines, trans. by J. I. Bleasdale. San Francisco, 1884. 16mo, 75c. Pi.
- Maize* 951; see also Cereals—Ensilage.
- Majolica* 1083, 1244, 1245; see also China—Earthenware—Faience—Hispano-Moresco W.
- 617 **Malley, A. C.** Micro-photography: wet collodion, gelatine-bromide process. Lond. 1883. P. 8vo, 5s. \$2.25. The same, 2d ed. 1885. P. 8vo, 7s 6d. Le—Mu.
- Malt and Malting* 531, 814, 872, 877a, 922, 1378, 1449; see 123, 384*, 619a, 922; see also Hops.
- 617a **Mant, J. B.** Pocket book of mensuration and gauging, etc., for revenue officers, brewers, spirit merchants, etc. Lond. 1888. 32mo, 4s. Lp.
- Mantels* 756a; see also Cabinet-making—Furniture.
- 618 **Manton, W. P.** Taxidermy without a teacher: comprising a complete manual of instruction for preparing and preserving birds, animals and fishes, with a chapter on hunting and hygiene, together with instructions for preserving eggs and making skeletons, and a number of valuable recipes. 2d ed. Illus. Bost. 1882. 32mo, 50c. La.
- 619 **Manufacturers (The),** of the United States for domestic and foreign trade, alphabetically arranged and classified: a reference book for manufacturers, jobbers, etc. N. Y. 1887. 8vo, \$15.00. AB—Mu.
- Manufacturers* 60a, 363b, 523a, 619.
- Manufacturers* (Biographies of), see 918 vols. 3, 4.
- Manufacturing and manufactures* 92c, 450, 530, 619, 642, 666, 666a, 667, 668, 669, 669a, 736, 756, 858, 864, 925, 1219, 1542, 1543; see also Book of Antrim—Factories—Industries—Japan Art—Laws—Renumerative Trades—Silk—Trades—Woolen—Workshops.
- Manufacturing Companies*, see 921a.
- Manure* 315, 387a, 417, 553, 884, 962, 965a, 1103, 1307, 1547; see 864 part 20; 918 vol. 2; 1346a; see also Chemistry of the Farm—Fertilizers—Soils.
- Map* coloring; see Color.
- Map* mounting, see 19 vol. 5; see also Bookbinding.
- Marble and marble working* 92a, 104a, 156, 464a, 560, 644, 1111; see 384*, 1346a, 1401, 1506; see also Calcium Comp.—Gravestones—Polishing M.—Stonework.
- Marble decoration* 92a.
- Marble* (imitation of) 952b.

- Marbling* 254, 480, 1032, 1545; see 371a, 865b; see also Bookbinding—Grain-
ing—Painting—Paper-marbling.
- 619a **Marchant, W. T.** In praise of ale: or songs, ballads, epigrams and anecdotes
relating to beer, malt and hops. With some curious particulars concern-
ing ale, wines and brewers, drinking clubs and customs, collect. and
arrang. Lond. 1888. P. 8vo, 10s 6d. Rc.
- 620 **Marion's** practical guide to photography. New rev. and enl. ed. Lond.
1886. P. 8vo, 2s 6d. Nd.
- 620a **Marion, F.** Wonderful baloon ascents; or the conquest of the skies. Cheap
ed. Lond. 1888. P. 8vo, 1s. 6d. Cd.
- Marquetry* 1089; see 19 vol. 5; see also Inlaid work.
- 621 **Marsden, R.** Cotton spinning, development, etc. Lond. 1884. 12vo, 6s. 6d.
\$2.50. Bb—Bm.
- 621a **Marshall, A.** Specimens of antique carved furniture and woodwork, with
50 pl. Lond. 1888. Imp. 4to (17x13½ in.) 60s. Af.
- 622 **Marshall, A. B.** Book of Ices. Illus. Lond. 1885. P. 8vo, 2s. 6d. Me.
- 623 **Marshall, L. C.** The practical flax spinner, description of the growth,
manipulation and spinning of flax and tow. Illus. (Belfast) Lond. 1885.
8vo, 15s. \$6.00. Bb—Mu—Sai.
- 624 **Martin, G. A.** Farm appliances: describing numerous useful and labor-
saving appliances, which will be found of great value in every department of
farm work. Illus. N. Y. 1887. 12 mo, \$1.00. Ju—Mu.
- 625 **Martin, J. W.** Float fishing and spinning in the Nottingham style. Illus.
Lond. 1882. P. 8vo, 2s. Lab.
- 626 **Martin R. B.** Hog raising and pork packing. Illus. N. Y. 1886. 12mo.
pap. 40c. Ju.
- 627 **Martin, Col. T.** Sanitary system: how the dead should be disposed of.
London 1886. 8vo, 6d. Su.
- 628 **Martindale, W.** Coca, cocaine and its salts; history, uses, etc. Lond. 1886.
12mo, 2s. Le.
- 628a **Marvels** of invention and scientific puzzles: being a popular account of
many useful and interesting inventions and discoveries. Illus. Lond. 1888.
P. 8vo, pap. 1s. Mu—Wb.
- 629 **Marvin, C.** Petroleum of the future, with map. Lond. 1884. 8vo, 1s. Am.
- 630 **Marvin, C.** Region of eternal fire: petroleum region of the Caspian. Lond.
1884. 8vo, 21s. Af.
- 631 **Marx, G. W.** Drawing and engraving on wood. Illus. 2d. ed. Lond. 1882.
P. 8vo, 2s 6d and 1s 6d. Hal.
- Masonry* 495, 675*, 694, 836, 837, 1080, 1130, 1131, 1181, 1185, 1197, 1215, 1513;
see 162, 865b, 918 vols. 1, 2, 3; 1401; see also Brickwork—Concrete—Foun-
dations—Mortars—Stone—Stone-cutting.
- 632 **Masury, J. W.** House-painting, carriage-painting and graining. N. Y.
1881. 12mo, \$1.50. Ap—Caa—Wal.
- Matches* 1206; see 123, 402, 864 parts 20, 21; 918 vol. 2; 1401; see also Acid—
Fulminates—Paraffin—Pyrotechnics—Sulphur.
- 633 **Matheson, E.** Depreciation of factories and their valuation. Lond. 1884.
8vo, 6s. \$2.40. Sai.
- Matting*, see Strawplait.
- Mattresses*, see 384*; see also Beds—Blankets—Bristles—Feathers—Furnish-
ing—Horsehair—Pillows—Upholstery.
- 634 **May, G.** Ballooning: a concise sketch of its history and principles. Lond.
1885. Cr. 8vo, 2s 6d. Saw.
- 635 **May, W. J.** Mushroom culture: growth in houses, sheds, cellars, etc.
Lond. 1883. Cr. 8vo, 1s. Go.
- 635a **Mayeux, H.** Manual of decorative composition for designers, decorators,
architects and industrial artists. Trans. by J. Gonino. Illus. Lond. 1888.
8vo, 6s. Ve.
- 635b **Mayeux, H.** The same. N. Y. 1888. 12mo, \$1.50. Ap.
- 636 **Maynard, C. J.** Taxidermy for beginners, with description of birds. Bost.
1883. 12mo, \$1.00. The same, 2d ed. 1884, \$1.25. Ce—Mu—Va.
- Measuring* Glass and Stone, etc. 1322, 1324; see also Estimators' P. B. —
Glass—Stone.
- Meat* 637; see 918 vol. 1; 1401; see also Butcher Meat—Preserving.
- Meat Production* 322; see also Butcher Trade—Mutton—Pork—Sausage.

- 637 **Meat Supply.** (Health exhibition conferences.) Lond. 1884. Cr. 8vo, 1s 3d.
Cac.
- Meerschbaum*, see 1346a.
- 638 **Meigs, Arthur V.** Milk analysis and infant feeding: on the examination of human and cows' milk, cream, condensed milk, etc. Phila. 1885. 12mo, \$1.00.
Bac.
- Melodion* Tuning and Repairing, see 19 vol. 3.
- 639 **Melsom, R. A.** Gas consumers' manual. Lond. 1884. 8vo, 2d. Km.
Men's Dress 320a, 454a; see also *Costume—Tailoring*.
- Mending China*, Glass, etc, see 19 vol. 5.
- 640 **Mercer, J.** Life and labors of John Mercer, the self-taught chemical philosopher; including numerous recipes used at the Oakenshaw Calico Print Works. Lond. 1886. P. 8vo, 7s 6d. \$3.00. Bb—Lw.
Merchandise marks act 405b; see also *Trade* marks.
Merino Wool 742; see 384*, 918 vol. 1; see also *Wool*.
- 641 **Merwin, H. C.** The Patentability of inventions. Bost. 1883. 8vo, shp. \$6.00.
Ln.
Metal Plating 650, 1180a; see also *Copperplate—Galvanizing—Gilding—Hardware—Nickel—Tin—Zincplating*.
Metal Spinning 1382; see 1142; see also *Turning*.
Metal Trade 508, 527, 1198b; see 1093; see also *Hardware—Tin*.
Metal Turning, see *Turning*.
Metal Working 118a, 163, 336, 1357a, 1487, 1517, 1518; see 1093; see also *Japanning—Roller Mills—Sheet-iron Working—Tin*.
Metal Working Trades 334.
Metallic Alloys 118a, 1292a; see also *Letter-Foundries—Type-Founding*.
- 642 **Metcalf, H.** The cost of manufactures, and the administration of workshops, public and private system of mechanical bookkeeping based on the card catalogue method, dispensing with skilled clerical labor and the use of books, by which the cost of manufactures may be promptly determined, either in gross or in any detail, as to component parts and operations thereon. N. Y. 1885. 8vo, \$5.00. Mu—Wag.
Mexican Trade 1019a.
- 643 **Meyer, F. H.** Havana cigars: how they are made and sold; trans. from 5th ed. Phila. 1885. 12mo, pap., 30c. Ca.
Mezzotint 787; see also *Engraving—Etching—Illustrating Books*.
- 644 **Michaelis, A.** Catalogue of ancient marbles in Great Britain, trans. by C. A. M. Fannell. Lond. 1882. Roy. 8vo, 42s. \$12.00 net. C—Mb.
Micro-Photography 617; see also *Photography*.
Mildew in Cotton Goods 261, 929; see also *Cotton—Cotton Goods*.
- 644a **Miles, W.** The horse's foot and how to keep it sound. 10th ed. Illus. With append. on shoeing in general, etc. Lond. 1888. Roy. 8vo, 12s 6d. Lw.
\$4.50.
Milk 75, 352, 378, 398, 638, 977, 1010, 1572; see 384*, 1401; see also *Butter—Cheese—Condensed Milk—Creameries—Dairy—Milk—Preserving*.
Milk—Condensed 638; see also *Condensed*.
Milk (Fermented), see *Koumiss*.
Milling and Mills 178, 236, 535, 1115, 1128, 1143, 1224, 1257, 1266, 1290, 1291, 1330, 1427, 1454, 1522; see 1401, 1505a parts 78, 79; see also *Cereals—Grist Mills—Millwright—Mill Stones*.
Mill Protection from Fire 1031; see also *Fire*.
Mill Stones, see 236, 1401; see also *Stone*.
- 645 **Miller, F.** Barbotine painting: practical hints on brass repousse work. Lond. 1885. Cr. 8vo, 9d. Hac.
- 646 **Miller, F.** Glass painting and the principles of design. Lond. 1885. P. 8vo 5s. Way.
- 647 **Miller, F.** Interior decoration; with colour stencelling and panel painting. Lond. 1885. P. 8vo, 5s. Way.
- 648 **Miller, F.** Pottery painting: design and makes of colours and glazes. Lond. 1885. 8vo, 5s. Way.
- 649 **Miller, F.** Wood carving, practically, etc. considered, with notes, etc. and 63 illus. Lond. 1885. P. 8vo, 5s. \$2.00. Mu—Va—Way.
- 649a **Miller, Geo. A.** Yarn tables for finding relative length and size of woolen, worsted and cotton yarns. (Bost.) 1883. 50c. Bl.

- Millinery* 478, 903; see also *Haberdasher—Hosiery—Knitting—Lace—Ladies' work—Needlework—Netting.*
- 650 **Millis, C. T.** *Metal-plate work: its patterns and their geometry; also notes on metals and rules in measurement for the use of tin, iron and zinc-plate workers, coppersmiths and others.* Illus. Lond. 1887. 8vo, 9s., \$3.00. Mu—Sai.
- 651 **Mills, E. J.** *Destructive distillation: manualette of the paraffine coal tar resin, oil, petroleum and kindred industries.* 2d ed. Lond. 1883. 8vo, 3s. The same, 3d ed. 1884. 8vo, 4s. \$1.60. Gau—Va—Vb.
- Millwright* 236, 285a, 1330; see 162; see also *Milling.*
- Mineral Waters* 933, 1137; see 123; see also *Aerated Waters—Aromatic Waters—Beverages—Carbon—Carbon Comp.—Liqueurs—Nitrate of Soda—Sedlitz Powders.*
- Miniatur Art* 761a.
- Minor Textiles*, see *Textiles.*
- Mirror*, see *Looking Glasses.*
- Mirror Painting* 44.
- 651a **Mitchell, H.** *Diamonds and gold of South Africa, together with the Transvaal gold law.* Lond. 1888. 8vo, 5s. Wam.
- Modelling* Brass, Clay, Leather, Wax, etc. 567, 910, 952, 1395a, 1395b; see 19 vol. 1; see also *Brass—Clay—Leather—Leather Work.*
- 652 **Modern** etchings of celebrated paintings, with intro. essay by Molett. Lond. 1882. 4to, 63s and 31s 6d. Lab.
- Modern Point Lace* 663b; see also *Lace—Needlework.*
- 653 **Modern** practice of retouching (photographic negatives) as practiced by M. Piquepe and other experts, etc. 2d ed. N. Y. 1885. 8vo, 50c. Sd.
- Mohair Trades*, see 921a; see also *Thibet—Wool—Yarn.*
- 654 **Mollett, J. W.** *Etched examples of paintings, old and new, with an essay and descriptive text, 20 etchings.* Lond. 1884. Fol., 63s. and 31s 6d. \$12.50, large pap. ed. \$25.00. Lab—Was.
- 655 **Monaghan, James.** *The liquor license laws of 1887, including the Brooks' high license act, and the wholesale dealers' license act with a history of their passage, etc.* Phil. 1887. 8vo, pap. 25c. Je.
- 655a **Money, E.** *Tea cultivation and manufacture.* 4th ed. Lond. 1888. 8vo, 10s 6d., \$4.25. Mu—Waf.
- Monograms* 12, 68, 1184, 1220, 1399, 1587; see 370; see also *Alphabets—Crests—Lettering—Scrolls—Sign painting.*
- Monograms for Embroidery* 242c, 893, 1272; see 1486a; see also *Initials for Emb.*
- Monuments for Graveyards*, etc. 1071, 1239, 1241, 1246a, 1482, 1526, 1535, 1537; see 1470a; see also *Cenotaphs—Crosses—Epitaphs—Gravestones—Headstones.*
- Mordants*, see 88, 864 part 21; 1456a; see also *Dyeing.*
- 656 **Morgan, T.** *Roman-British mosaic pavements: discovery, etc.* Lond. 1886. Roy. 8vo, 42s. Wad.
- 657 **Morrell, Mrs. Conyers.** *All about painting on china, with lessons.* Lond. 1884. Cr. 8vo, 9d. Kb.
- 658 **Morrison, G. B.** *The ventilation and warming of school buildings.* N. Y. 1887. 12mo., 75c. Ap.
- Morse collection* 63.
- Mortars* 155, 381a, 675*, 739, 1230, 1262, 1428, 1458; see 170, 384*, 465, 865a part 6; 1007, 1346a, 1456a, 1505a part 72; 1506; see also *Bricklaying—Concrete—Masonry.*
- Mosaic Work* 567; see also *Color—Floor Decorating—Floor Staining—Furnishing—Furniture—Ornament.*
- 659 **Mounteney's** ready reckoner for coal merchants and others. Lond. 1881. 32mo, 1s 6d. Su.
- Mounting Photographs*, etc., see 19 vols. 4, 6; see also *Bookbinding—Paste—Paste for M. P.*
- Mucilage* 263; see 384*, 1007, 1346a, 1401; see also *Dextrine—Glue—Pastes.*
- Muck*, see *Manure.*
- 660 **Muckley, W. J.** *Handbook on the character, nature and use of colours.* 2d ed. Lond. 1882. 8vo, 3s. Ba.
- 661 **Munro, C.** *Patents, designs and trade marks act, 1883, with rules, etc.* Lond. 1884. 8vo, 10s 6d. Sam.

- 662 **Munroe, C. E.** Index to the literature of explosives. Part 1. Balto. 1886. 8vo, pap. 50c. Fab.
- 663 **Muentz, Eugene.** Short history of tapestry, from the earliest times to the end of the 18th century, trans. by Miss L. J. Davis. Illus. Lond. 1886. 12mo, 5s. \$2.00. Cd.
- Mural Monuments*, see *Monuments*.
Mural Painting and M.-Decoration 248, 1268, 1395d, 1526; see also *Decoration*
 —*Decorative Painting*—*Fresco Painting*—*Wall Painting*.
- 663a **Murrey, T. J.** Oysters and fish. N. Y. 1888. 16mo, bds. 50c. Sap.
Mushrooms 635, 695, 797, 1036; see 384*, 1346a.
Musical Instruments 141a, 460, 1221, 1222, 1470, 1507; see 588; see also *Bows*
Clarionets—*Concertina*—*Flute*—*Harmonium* B.—*Melodion*—*Metallic Al-*
loys—*Organ*—*Pianoforte*—*Repairing Flutes*—*Tuning Instrum.*—*Tuning*
Pianof.—*Violin*—*Violoncello*.
Mustard, see 123, 384*, 1346a, 1401; see also *Preserving*.
Mutton 742; see also *Meat*—*Meat Prod.*
- 663b **Myra's** antique and modern point lace. Containing plain and explicit instructions. Illus. w. carefully executed engravings of the principal antique point stitches. Lond. 1888. 12mo, pap. 1s. Mac.
- 663c **Myra's** Berlin work. Contain. illus. and full descriptions of over 20 different stitches, and 50 designs of borders, grounding patterns, etc. Lond. 1888. 12mo, pap. 1s. Mac.
- 663d **Myra's** Crochet edgings. 1st series. Containing the illus. and descriptions of 55 original designs of laces and borders. Lond. 1888. 12mo, pap. 1s. Mac.
- 663e **Myra's** Crochet lessons No. 1. Containing the rudiments of crochet. Illus. Lond. 1888. 12mo, pap. 1s. Mac.
- 663f **Myra's** Devonshire, or Honiton Lace. Containing plain and explicit instructions. Illus. w. caref. executed engravings of many stitches, outlines, and puckings. Lond. 1888. 12mo, pap. 1s. Mac.
- 663g **Myra's** Dressmaking lessons. New series. No. 2: skirts and tunics, with new methods of cutting, draping, etc. Illus. Lond. 1888. 12mo, pap. 1s. Mac.
- 663h **Myra's** Dressmaking lessons. New series, with numerous diagrams and illus. of methods of cutting polonaises, fashionable models, etc. No. 3, 4. Lond. 1888. 12mo, pap. ea. 1s. Mac.
- 663i **Myra's** Dressmaking lessons. New series. Illus. of stitches, methods of cutting corsage patterns, and modes of arranging fabrics. Lond. 1888. Sq. 16mo, pap. 1s. Mac.
- 663k **Myra's** Half-yearly budget of Paris fashions: spring and summer, 1888. Lond. 1888. Folio, pap. 1s. Mac.
- 663l **Myra's** Harlequin crochet. Contain. full description and illus. of new fancy needlework. Lond. 1888. 12mo, pap. 1s. Mac.
- 663m **Myra's** Knitting lessons No. 1. Contain. the rudiments of knitting and various useful patterns for this work. Lond. 1888. 12mo, pap. 1s. Mac.
- 663n **Myra's** Macrame Lace. 2d series. Contain. full descriptions and illus. for furniture, laces, valances, insertions, etc. Lond. 1888. 12mo, pap. 1s. Mac.

Nails 1045; see 918 vol. 4; see also *Hardware*—*Spikes*.

- 663o **Navigable** balloon (the) in war and peace. Eastbourne 1888. Cr. 8vo, pap. 3d. Fc.

Needles 324, 1045; see 918 vol. 3; see also *Dress*—*Hoisery*—*Pins*.

Needlework 73, 118, 127, 177, 195, 196, 215, 242b, 242d, 252, 283, 324, 350, 382, 411, 412, 519, 520, 521, 547, 557, 663l, 730, 790, 799a, 871, 871a, 888, 894, 897, 898, 899, 967, 993, 1085, 1086, 1295, 1295a, 1297, 1573; see also *Amenities*—*Applique*—*Art*, *Useful*—*Bazaars*—*Berlin Work*—*Children's Fancy W.*—*Church Emb.*—*Cotton*—*Crewel*—*Crochet*—*Curtains*—*Draperies*—*Devonshire Lace*—*Drawn-thread W.*—*Embroidery*—*Employing W.*—*Fairs*—*Fancy Articles*—*Fancy W.*—*Guipure*—*Haberdasher*—*Home Indust.*—*Home Occup.*—*Honiton Lace*—*Hosiery*—*Household Decor.*—*Household Eleg.*—*Initials for Emb.*—*Irish Lace*—*Kensington Stitch*—*Knitting*—*Lace*—*Ladies' Fancy W.*—*Ladies' W.*—*Linen W.*—*Macrame Lace*—*Millinery*—

- Modern P. L.—Monograms for Emb.—Needles—Netting—Ornaments for Emb.—Point Lace—Sewing—Sewing Machines—Stockings—Table Decor.—Tatting—Thread Making—Toile crosse—Wool—Woolwork—Women—Yarn.
- 664 **Neff, Theo. L.** Law of liquor license in Pennsylvania, embracing acts of assembly, and the decisions of the courts of Penn. as well as of other states. Carlisle 1886. 8vo, shp. no price. D.
Negative making 8, 515, 653; see 1015a, 1021; see also photography.
Netting 905, 1278, 1560; see 1362a; see also Millinery—Needlework.
- 665 **Newman J.** Notes on concrete and works in concrete. Especially written to assist those engaged upon works. Lond. 1887. 12mo, 4s. \$1.50. Mu—Sai.
- 666 **New York.** The act authorizing the formation of corporations for manufacturing, mining, mechanical, chemical, agric., hortie., etc. purposes, 1848, with amendments, 1851—1884, notes, forms and index. N. Y. 1884. 24mo, paper, 50c. Bc.
- 666a **New York.** The act authorizing the formation of corporations for manufacturing, mining, mechanical, chemical, agricultural, medical, or commercial purposes, passed Feb. 17, 1848, with amendments to May 26, 1887. N. Y. 1888. 12mo, pap. 50c. Bc.
- 667 **New York.** The general statutes relating to corporations for manufacturing, mining, etc., and for erection and keeping hotels, as cont. in Rev. Stat., with amend. to 1885, notes and forms. N. Y. 1885. 12mo. paper 75c. Bd.
- 668 **New York.** The general statutes relating to the formation, regulation, etc. of corporations for manufacturing, mining, etc., with amend. to 1886, also act for organiz. business corporations, including amend. to 1886, notes, forms, and index (anon). N. Y. 1886. 12mo, pap. 75c. Bd.
- 669 **New York.** The same, with amendments to 1887. N. Y. 1887. 8vo, pap. 75c. Bd.
- 669a **New York.** The same, with all the amendments to 1888. N. Y. and Albany, 1888. 12mo, pap. 50c. Bd.
- 670 **Nicholls, H. A. H.** Cultivation of Liberian coffee in the West Indies. Lond. 1881. P. 8vo, 1s. Sr.
Nickel and Nickeling 355; see 123, 587, 918 vol. 4; 1346a, 1456a; see also Copper—Copperplate; see also Electro-gilding—Gilding—Metal Plating—Silvering—Zincplating.
Nitrate of Soda 884; see also Manure.
Nitro-Compounds and Nitro-Glycerine 308; see 123; see also Dynamite—Explosives.
- 671 **Nolan, Thos.** The telescope: its construction, etc. (V. N. S. S.) N. Y. 1881. 18mo, bds. 50c. Va.
- 672 **Nordenfelt** machine guns described and compared with other systems. Lond. 1884. 4to, 30s. Su.
- 673 **North, T.** Church bells of Bedfordshire: their founders, inscriptions, etc. Lond. 1884. 4to, 12s 6d. Suo.
- 674 **Norton, C. B.** American inventions and improvements in breech-loading small arms, heavy ordnance, machine guns, and other munitions of war, including sporting arms. Illus. Springfield, Mass. 1880. 4to, \$10.00. Cg.
- 675 **Norton, C. B.** The same, 2d ed. with notes on cast-iron heavy guns and later inventions in machine guns and magazine small arms. Bost. 1882. 4to, \$10.00. Or—Te.
- 675* **Notes** on building construction. Part I. Contents: walling and arches, brickwork, masonry, carpentry, floors, partitions, timber roofs, iron roofs, slating, plumbers' work, cast iron girders, etc., joinery. Part II. Contents: Brickwork and masonry, timber roofs, roof coverings, built up beams, curved ribs, timber and iron girders, centres, joinery, stairs, riveting, fire-proof floors, iron roofs, plasterers' work, painting, paper hanging and glazing. Part III. Materials: 1. Stone; 2. Bricks, tiles, terra cotta, etc.; 3. Limes, cements, mortar, concrete, plaster and asphalt; 4. Metals; 5. Timber; 6. Paints and varnishes; 7. Glass; 8. Paper hanging; 9. Miscellaneous. Illus. 2d ed. Lond. 1883-84. Roy. 8vo, parts 1, 2, each 10s 6d. \$3 50; part 3, 21s. \$6.00. Cag—Ro.

- 675a **Oakeshott, G. J.** Detail and ornament of the Italian renaissance. Lond. 1888. Fol. £1. 12. \$15.00. Bi—Cag.
- 676 **Oakey, A. F.** Beauty in dress. N. Y. 1881. 16mo, \$1.00. Hd.
Oats 951; see also *Cereals*.
- 676a **Ogden, W. S.** Designs for christian gravestones. 2d improv. and enl. ed. Lond. 1888. 4to, 9s. Hac.
- 676b **Ogden, W. S.** Sketches of antique furniture taken from 80 examples, not hitherto illustrated, of chiefly 17th. century carved oak. Lond. 1888. 4to 12s 6d. Bi.
- 677 **O'Hanlon, Alice.** Robert Reed, cotton spinner. 3 vols. Lond. 1883. P. 8vo, 31s 6d. Ti.
Oils 120, 169, 242, 335, 528, 651, 1577; see 123, 216, 691, 864 parts 22, 23, 24; 918 vol. 1; 1007, 1401; see also *Dyeing—Fats—Fixed Oils—Grease—Paraffin—Petroleum—Varnishes*.
Oil-cloth, see *Floor-cloth*.
Oil-making 347; see also *Olive Culture*.
Oilman's Calculator 1341; *Oil Refining* 120; *Oil Trades* 335.
Ointments 1108; see 384*, 1346a; see also *Patent Medicines*.
- 678 **Old Furniture:** examples selected from works of the best-known designers. Lond. 1883. Folio, 10s 6d. Way.
Oleomargarine, see 120; see also *Butter*.
Olive Culture and *Olive Pickling* 347a.
Optical Instruments, see 918 vol. 1.
Optical Lantern, see *Magic Lantern*.
Optician 595a; see 691; see also *Aluminium—Artificial Eyes—Barometer—Spectacles—Telescope—Thermometer*.
Organ 282, 307, 454, 476, 886, 1012, 1161, 1417, 1480; see 19 vols. 1, 2, 3, 4; 1401; see also *Musical Instruments*.
Organ Pipes, see 19 vols. 2, 5; *Organ Stops* 584b; *Organ Tuning*, see 19 vol. 2.
Ornament 42, 43, 93, 208, 264a, 265a, 266, 278, 298, 344, 523, 563, 675a, 684, 1045a, 1100a, 1164, 1183a, 1199a, 1333b, 1348, 1372, 1395e, 1411; see 918 vol. 1; 1007, 1227a, 1477a, 1480a; see also *Decoration—Engravers—Engraving—Fresco Painting—Japanese Ornam.—Jewelry—Mosaic Work—Painting, Ornam.—Surface Ornament—Wood Engraving*.
Ornament Planing 266; *Ornamental Design* 265a.
- 679 **Ornamental and constructional carpentry, joinery, and turning, etc.** Lond. 1883. P. 8vo, 1s. Wb.
Ornamental Stones 1331; see also *Gothic Stonework—Stone*.
Ornaments 68, 321, 1108a, 1117, 1184, 1381, 1476; see also *Alphabets—Crests—Fret-Work—Scrolls*.
Ornaments for Embroidery 902; see also *Embroidery—Needlework*.
- 680 **Ornaments** rubrick: its hist. and meaning, in a series of papers. Lond. 1881. 12mo, 6d. Pb.
- 681 **O'Shea, Wm.** Hints and recipes for bookbinding. Lincoln, Neb., 1886. \$2.00. Ob.
- Ostrich Feathers* 225; see also *Feathers*.
- 682 **Our homes:** how to beautify them. Illus. N. Y. 1887. 12mo, \$1.00. Ju.
- 683 **Our patent case:** layman's report, from the complainant's standpoint, of the suit of the Saggeville Manufacturing Co. vs. the Standwell Manufac. Co. N. Y. 1883. Pap. 25c. Paa.
- Outfits* 114a, 497.
- 684 **Outlines of historic ornament, trans. from the German.** Lond. 1884. P. 8vo, 4s. Ch.
Ovens, see 1505a part 80; see also *Fire-Places—Furnace—Stoves*.
Overseers of Works, see *Foreman*.
- 685 **Owen, Cath.** Lessons in candy-making. Springfield, Mass., 1887. 16mo, pap. 50c. Bas—Mr.
- 686 **Owen, Cath.** Perfect bread; its preparation and use, with a view to being made readily, appetizingly, and economically; includ. over 50 receipts for making bread, prepar. of yeast, etc. Springf., Mass., 1886. 16mo, pap. 25c. Bas—Mr.
- 687 **Owen, H.** Manual for overseers, assistant overseers, and others. 7th ed. Lond. 1884. P. 8vo, 4s 6d. Kn

- 688 **Oyster Epicure: authorities on the gastronomy and dietetics of the oyster.** N. Y. 1883. 16mo, pap., 30c. Sap—Wab.
Oyster 134, 663a, 688, 807a; see 384*, 918 vol. 1.

Packages, Packing and Packing-Cases, Pack Mules 337, 701a, 936, 1466; see also *Boxes*.

Packing and Storing Glass, China, Salts, etc., see 588.

Padding 1499; see also *Upholstery*.

- 689 **Page, C. E.** *Horses: their feed and their feet; manual of horse hygiene; also treatise and notes on shoeing*, by Sir G. Cox and M. C. Wells. Illus. N. Y. 1883. 12mo, pap. 50c.; clo. 75c. Fu.

- 690 **Page, I.** *Guide for drawing the acanthus and ornamental foliage.* New ed. Lond. 1886. P. 8vo, 18s. Q.

- 691 **Painter, gilder and varnishers' companion: rules and regulations relating to painting, gilding, varnishing, glass-staining, etc.** 16th rev. ed., together with Chevreul's principles of harmony and contrast of colors. Phila. (1869.) 1888. 12mo, \$1.50. Bb—Cag—Hm—Ju—Mu.

- 692 **Painter's manual.** A complete practical guide to house and sign painting, graining, varnishing, polishing, kalsomining, papering, lettering, staining, gilding, glazing, silvering, analysis of colors, harmony, contrast, philosophy, theory, and practice of color, principles of glass-staining, etc. Including a new and valuable treatise on how to mix paints. N. Y. 1886. 16mo. pap. 50c. Ed—Va—Wal.

- 693 **Painting on plush, silk and satin, with illus. supplement.** N. Y. 1885. Paper 35c. AD.

Painting (Barbotine) 645.

Painting Carriage, see *Carriage P.*

Painting Ceramics, see *Ceramics*.

Painting China or Porcelain, see *Ceramics—China-P.—Porcelain-P.*

Painting Decorative, see *Decorat. P.*

Painting Earthenware, see *Pottery Painting*.

Painting Fresco, see *Fresco P.*

Painting Glass, see *Glass Painting*.

Painting House, see *House Painting*.

Painting, Mechanical 216, 371, 371a, 478, 675*, 692, 1048, 1140, 1384, 1513, 1545; see 162, 281a, 384*, 402, 865b, 918 vol. 3; 952b, 964a, 1401, 1506; see also *Bronze—Barbotine, Car, Coach, House, Sign, Wall Painting—Color—Crests—Drying—Graining—Marbling—Paints—Palettes—Priming—Scrolls—Stencilling—Varnishes*.

Painting, Ornamental 326; see also *Ornament*.

Painting Photographs 104, 1065; see also *Coloring Photos*.

Painting on Plush, Satin, Silk 693; see 19 vol. 1.

Painting Pottery, see *Pottery P.*

Painting Screens 422; see also *Screens*.

Painting Terra Cotta; see *Terra C.-P.*

Painting Walls, see *Fresco Painting*.

Paints, Paintmixing, Paintshops and Painters' Materials 216, 335, 371, 480, 675*, 692, 1469; see 123, 281a, 402, 463a, 864 part 25; 1007; see also *Alum—Aniline Colors—Bronzes—Brushes—Color—Driers—Drying—Estimators' P. B.—Palettes—Pebbles—Pigments—Priming—Siccatives—Varnishes—White Lead*.

Palettes and Palette-knives, see 19 vol. 2; see also *Color—Paints*.

- 694 **Pallisers' specifications, consisting of masons', carpenters', painters', slaters', tinners', plumbers', heaters' and gas pipers' etc.** Bridgeport 1880. Roll 50c. Caa—P.

- 695 **Palmer, J. A. Jr.** *Mushrooms of America, edible and poisonous.* 4 parts, with 12 plates. Bost. 1885. 4to portfolio, \$2.00. Pp.

- 696 **Paper and printing recipes.** N. Y. 1883. 8vo, \$1.00, pap. 75c. Fp.

Paper 245, 260, 295, 468, 589, 696, 697, 698, 700, 707, 714, 847, 1052, 1404; see 123, 402, 864 part 24; 918 vols. 2, 3; 1093, 1100a, 1294b, 1401; see also *Alkali—Alum—Cardboard—Dextrine—Folding—Paper—Paper Machinery—Paper Mills—Papier-Mache—Pulp—Rag-dealers*.

Paper used in Bookbinding, see 19 vol. 2; see also *Bookbinding*.

Paper box makers and Paper dealers, see 333.

- Paper Flowers* 201b, 353, 1395c; see also *Flowers—Waxflowers*.
Paper Folding, see *Folding P.*
Paperhanging and *Papery* 224, 457, 507, 675*, 692, 1056, see 19 vols. 2, 3; 281a, 371, 384*, 865b, 918 vol. 3; 1506; see also *Tapestry—Wall painting—Wallpaper*.
Paper Machinery, see 1505a part 81; see also *Paper*.
Paper-marbling 1032; see also *Bookbinding—Marbling*.
697 **Paper mill directory**, catalogue of all paper and pulp mills on the globe. Holyoke, Mass. 1883. 8vo, \$1.00. Bas.
698 **Paper mills directory of England, Scotland and Ireland**, and year book of the paper-making trade, for 1881, '83, '84, '87, '89. Lond. 1881, '82, '83, '87, '88. 8vo, pap. 2s 6d. each. Kc.
Paper Mills 170b, 698; see 584, 1401; see also *Paper—Pulp*.
Papier Mache 568, 1373; see 384*; see also *Cardboard—Paper—Pulp*.
Paraffin 651; see 384*, 864 part 24; see also *Candles—Hydrocarbons—Lubricants—Matches—Oil—Peat—Photography—Preserving—Rectifying—Stearine—Varnishes—Wax*.
Parchment, see 402; see also *Bookbinding—Hides—Leather—Skins*.
699 **Parker G.** Synopsis of the new patents, designs and trade marks act, 1883. Lond. 1884. 4to, pap. 20c. Sai.
700 **Parkinson, R.** Paper: tables, etc., for printers and stationers. Lond. 1886. 8vo, 2s 6d. Lp.
701 **Parnell, A.** Action of lightning and means of defending from its effects. Lond. 1882. 12mo, 7s 6d. \$3.00. Lp—Mu—Sai.
701a **Parnell, G. F.** Superficial ready reckoner for casemakers, packers, merchants and wholesale warehouses. 3d ed. Lond. 1888. 8vo, bound 10s. Ka.
702 **Pascoe, C. E.** Pract. handbook to the princ. professions. Lond. 1881. 8vo, 3s 6d. P.
Pastes 263, 715; see 123, 1007; see also *Bookbinding—Glue—Mucilage*.
Paste, for mounting Photographs, see 19 vol. 6; see also *Mounting Photos*.
703 **Pastry Cook**, the complete practical. Part 1: pies, tarts, pastry cakes, etc. Chic. 1887. \$1.00. Cah—Ge—Mu.
Pastry 219, 1006, 1067, 1454a; see also *Baker—Confectionery*.
Patents and Patent Law 1, 2, 37, 109, 152, 174, 247, 253, 297, 405, 405a, 448, 453, 477, 483a, 489, 513, 514, 545, 555, 608, 641, 661, 683, 699, 704, 710a, 712, 749, 842, 842a, 850, 927, 963, 972, 1015, 1100, 1171a, 1420a; see 918 vol. 4; see also *Inventions—Trademarks*.
Patent Medicines 66, 1108; see 281a; see also *Ointments—Tinctures*.
704 **Patent Solicitor's reference book**, arranged to show a brief history of pending and completed patent cases, comp. and arranged by Remington and Henthorn. Providence, R. I., 1886. 8vo, ½ rus. \$2.00. Rf.
705 **Paterson, J.** Intoxicating liquor licensing acts, 1872–74. 5th ed. Lond. 1883. 7s 6d. Sm.
706 **Pattern Book for jewelers, gold- and silversmiths.** Part 1. Lond. 1883. 4to, 1s 6d. Fm.
Paving and Pavements 18, 656, 862, 1261, 1538; see 162; see also *Asphalte—Cement*.
706a **Payn, H.** The merchandise act, 1887, with reference to the importation sections and the customs regulations, etc., with convention with foreign states for protection of trade marks, etc. Lond. 1888. Roy. 24mo, 3s 6d. Sam.
707 **Pearce, E. P.** Index to "Paper and Printing Trades' Journal", Nos. 1 to 32. Lond. 1881. Sm. 4to, 1s. Bg.
Peanut 517; see 384*; see also *Grocery*.
Pearls 752, 880a; see 123, 864 part 24; see also *Gems—Jewelry*.
708 **Pearse, S. F.** Modern dress in clothing in relation to health and disease. Lond. 1882. P. 8vo, 2s. Way.
708a **Pearson, Ch.** The ringers' guide to the church bells of Devon. Lond. 1888. P. 8vo, 2s 6d. Bm.
709 **Pearson, E. C.** Gutenberg and the art of printing. 3d ed. Illus. Bost. (1880). 12mo, \$1.25. Laa.
710 **Pearson, J. R.** Vine culture under glass. 4th ed. Lond. (1884). Fcap, 1s. Hal.

Peat 1016, 1347, 1369; see also *Coke—Fuel—Hydrocarbons—Paraffin—Wax*.

- Pebbles* 805, 1335; see 19 vol. 4; see also *Paints—Stone—Stone Silicif.*
- 710a **Peck, W.** *The golden age of patents; a parody on Yankee inventiveness.* Illus. N. Y. 1888. 16mo, bds., 50c. Sap.
- 710b **Peckham, S. F.** *Report on the production, technology, and uses of petroleum and its products.* (N. Y.) 1884. 4to, pap. \$3.50. Sai.
- Pendulograph* 23.
- 711 **Pennell, H. C.** *Modern improvements in fishing tackle, etc.* Illus. Lond. 1887. P. 8vo, 2s. Lab.
- Pens* 1373; see 918 vol. 2; 1401; see also *Quill Pens.*
- Pepper*, see 384*; see also *Spices.*
- Perfumes* 66, 721, 1170, 1175, 1500, 1592; see 19 vol. 4; 123, 281a, 384*, 864 part 24; 918 vol. 1; 1007; see also *Balsams—Cosmetics—Eau de Cologne—Glycerine—Lotions—Soap—Toilet Articles.*
- 712 **Perkins, J. McC.** *Letters-patent for inventions: why they are so often worthless.* Bost. 1883. 16mo, pap. 25c. Ra.
- Persian Wares* 1245.
- Petroleum* 240, 629, 630, 651, 710b, 768, 769, 1016, 1104, 1168, 1315; see 281a; see also *Oils.*
- 713 **Philipson, J.** *Harness as it has been, as it is, and as it should be.* Lond. 1882. 8vo, 5s. Sal.
- 714 **Phillips, S. Chas.** *Papermakers' directory of all nations: containing every paper and pulp mill in the world.* Lond. 1884. Roy. 8vo, 5s. The same, Lond. 1887. Roy. 8vo, 10s 6d. Dd—Pa.
- 715 **Phin, J.** *Cements and glue: practical treatise on the preparation and use of all kinds of cements, glue and paste.* N. Y. 1881. 12mo, pap. 25c. Caa—Cag—Ib—Wal.
- 716 **Phin, J.** *Manual for furniture men, cabinet-makers, upholsterers, etc. Thoroughly practical treatise on hardwood finishing.* N. Y. 1884. 12mo, \$1.00. Ib.
- 717 **Phin, J.** *Trade secrets and private recipes: collection of processes and formulae for manufacturers and others.* N. Y. 1887. 12mo, 60c. Ib—Mu—Sai—Wal.
- 718 **Phin, J.** *Workshop companion: dictionary of practical information.* N. Y. 1880. 12mo, pap. 35c, cloth 60c. Cag—Ib.
- Photo-engraving* 1015a; see 1021; *Photo-etching*; *Photo-lithography* 1015a.
- Photograph Coloring and Photograph Painting*, see *Color. Photog.—Painting Phot.*
- Photographed Spectra* 1145.
- 719 **Photography at home: its appliances and apparatus for amateurs.** Lond. 1882. 12mo, 6d. Md.
- 720 **Photography simplified: practical treatise for the use of amateurs or professionals.** 3d ed. rev. and enl. London. 1888. P. 8vo, pap. 6d and 9d. Mh.
- Photography*, 4, 5, 6, 7, 8, 8a, 9, 10, 11, 57, 64, 73a, 130, 160, 168, 244, 302, 303, 416, 421, 421b, 427, 434a, 443, 455, 502a, 515, 517a, 584, 617, 620, 719, 720, 755, 760, 769a, 770, 791, 792, 793, 798, 803, 860, 911, 912, 964b, 971, 996, 1003, 1008, 1020a, 1021, 1037, 1038, 1038a, 1043, 1044, 1183, 1246, 1397, 1515, 1525, 1532, 1546, 1552, 1553; see 19 vols. 1, 2, 6; 123, 155a, 281a, 588, 864 parts 24, 25; 918 vols. 3, 4; 1401, 1506; see also *Bromide Process—Camera—Camera, enlarg.—Collodion Process—Dryplate—Emulsions—Ferrotypes—Heliography—Heliotype—Landscape Photog.—Micro-Photog.—Negative Making—Negative Retouching—Paraffin—Photog. Printing—Photog. Spectra—Potassium Oxalate—Retouching—Silverprinting—Woodbury Tissue.*
- Photography in Autotype* 244.
- Photography, applied to Surveying* 769a.
- Photographers' Addresses*, see 584.
- Photographers' Apparatus*, see 19 vols. 1, 2, 4, 5; 1020a.
- Photographers' Camera*, see *Camera.*
- Photographers' studio*, see 19 vol. 2.
- Photograph Transparencies in Carton*, see 19 vol. 4.
- Photo-Lithography*, see 781, 918 vol 3.
- Photo-Mechanical Printing* 100, 160a, 1102, 1536; see 1020a, 1021; see also *Blue Printing.*
- Photo-Micrography* 875.

- Pianoforte* Manufacture, see 1401; see also Musical Instruments; *Pianoforte* Repairing 45; see 19 vol. 6; *Pianoforte* Tuning 45, 482; see 19 vol. 3.
- Pickles* and *Pickling* 1058, 1400; see 281a, 865, 1007, 1401; see also *Canning—Cats-up—Preserving*.
- Pickling* Olives 347a,
- Picture* Frames 374, 598, 599, 1258, 1586; see 19 vols. 2, 3; 384*, 1346a, 1401.
- Pies* 703; see 384*; see also *Cakes—Confectionery*.
- 721 **Piesse, S.** Art of perfumery, and the method of obtaining the odors of plants, the growth, etc., with instructions for the manufacture of perfumes, scented powders, etc. 4th ed. Lond. 1880. 8vo, 21s. \$5.50. O. o. p.
Bac—Lw—Mu—V—Va.
- Pig* Weighing, see 516a.
- Pigments* 342b, 870, 870a, 928, 1469, 1544; see 123, 216, 281a, 384*, 402, 864 part 25; 691, 692, 918 vols. 2, 3; see also *Alum—Aniline Colors—Borax—Color—Paints*.
- Pillows*, see 384*; see also *Beds*.
- 722 **Pincus, J.** Hair: its treatment in health, weakness and disease. Lond. 1882. P. 8vo, 1s 6d and 1s. Ci.
- Pins* 1045; see 918 vol. 3; see also *Needles*.
- Pistols* 1294, 1435; see also *Arms—Caps—Cartridges—Gun—Revolvers—Weapons*.
- 723 **Pitcher, B.** The horse: practical experience of a blacksmith. 5th ed. Illus. Chic. 1882. 12mo, \$1.00. Wv.
- 724 **Piton, C.** *Keramics*: complete practical treatise on china painting in America. Including 3 parts of text in 1 vol. and 3 folio albums of plates in one portfolio. N. Y. 1878–80. \$3.00. Wag.
- 725 **Piton, C.** Practical treatise on china painting in America, with some suggestions as to decorative art. Small 4to, vol. of text and album of plates in portfolio. N. Y. 1878. \$1.50. Mu—Wag.
- 726 **Piton, C.** The same, part II: consisting of text giving some account of Japanese decorative art. Illus. with an album of 15 folio plates in portfolio. N. Y. 1880. \$1.50. Mu—Wag.
- 727 **Piton, C.** The same, part III: high fire, porcelain and faience, with vol. of text in cloth, and plates in portfolio. N. Y. 1880. \$1.50. Mu—Wag.
- 728 **Pitt-Rivers.** Locks and keys: on the development and distribution of primitive locks and keys. Illus. Lond. 1884. Dem. 4to, $\frac{1}{2}$ Roxburghe, 16s. Ci.
- 729 **Pizzighelli, Capt.** and Hubl. *Platinotype*, trans. by Iselin and Abney. Lond. 1886. 12mo, 2s. He.
- 730 **Plain** and fancy needlework (All about it books). Lond. 1885. 2s 6d. Wb.
- 731 **Planche, J. R.** *Cyclopædia of costume, or a dictionary of dress*. 2 vols. Lond. (1884.) Dem. 4to $\frac{1}{2}$ mor. £7. 7. Baf—Ci.
- Planing* Mill, see 1401; see also *Boxes—Lumber—Packages—Saw Mills—Timber—Woodworking—Woodworking Machinery*.
- Plants* furnishing Building and Furniture Woods, see 918 vol. 2; see also *Wood*.
- Plants* used in the preparation of nutritious and stimulating Beverages, see 918 vol. 1; see also *Beverages*.
- Plants* yielding Spices and Condiments, see 918 vol. 1; see also *Spices*.
- Plants* yielding Sugar-cane, Beet-root Sugar, Mape Date, see 918 vol. 1; see also *Sugar*.
- Plastering* 155, 170, 675*, 964a, 1080, 1513; see 19 vol. 1; 162, 384*, 465, 865b, 918 vol. 3; 1401; see also *Cement—Clay—Lime—Stucco*.
- Plate* 150a, 182, 241; see also *Jewelry*.
- Platinotype* and *Platinotype* 729; see 123.
- 732 **Plumbers** of Philadelphia: proposed ordinances and rules and regulations. Phila. 1883. Pap. 10c. O. o. p. Bac.
- Plumbers'* supplies, see 463a.
- Plumbing* 149, 150, 257, 334, 379, 380, 440, 441, 473, 478, 675*, 694, 732, 733, 774, 806, 1080, 1251, 1438, 1452; see 162, 918, vol. 3; 1381a, 1401; see also *Closets—Furnace—Gas, and Steam-Fitting—Kitchen Boiler*.
- Plumbing* appliances 763b.
- 733 **Plunkett, Mrs. H. M.** Women, Plumbers, and doctors; or household sanitation. Illus. N. Y. 1885. 12mo, \$1.25. Ap—Sai.
- Plush*, see 384*; see also *Painting on Plush*.

- 734 **Plympton, G. W.** The aneroid, and how to use it. 2d rev. ed. N. Y. 1881. 16mo, bds. 50c; full mor., \$1.00. Mu—Va.
Point Lace 663b; see also *Lace—Needlework*.
Polishes and Polishing 362, 370, 371, 371a, 692, 745, 805, 1186, 1247, 1250, 1562; see 19 vol. 3; 123, 281a, 464a, 588, 691, 865b, 877, 1007, 1381a, 1401, 1506; see also *French Polishing—Paints—Varnishes*.
Polishing Marble, see *Marble—Polishes*.
- 735 **Pollen, J. H.** Carving and furniture. 4 Cantor lectures. Lond. 1885. 50c. Ru—Sae.
Pomades, see 281a, 384*, 1175; see also *Cosmetics—Toilet Articles*.
- 735a **Poole, St. L.** The art of the Saracens in Egypt. Illus. S. K. H. Lond. 1888. P. 8vo, 4s. Ch.
- 736 **Poor, Walter S.** Act authorizing the formation of corporations for manufacturing, mining, mechanical, and chemical purposes, as amended; with notes, forms and an index. 3d ed. N. Y. 1886. 24mo, pap. 75c. Sar.
- 737 **Poore, G. V.** Coffee and tea: a lecture given at the Parkes Museum. Lond. 1884. 1s. Le.
Porcelain 184, 191, 193, 727, 998, 1002, 1101, 1217, 1320, 1451, 1596; see 918 vols. 1, 2; see also *Borax—China—Earthenware—Faience—Majolica—Hispano-Moresco Wares*.
Porcelain Painting 371a, 451, 567, 1005, 1367, 1418; see 19 vols. 2, 3, 4, 5, 6; see also *China—Earthenware—Fusible Colors—Pottery—Terra Cotta P.*
Pork Packing 626; see also *Butcher Trade*.
- 737a **Porter, W. C., comp.** The laws of Vermont relating to the illegal sale and use of intoxicating liquor, cont. in the rev. laws and enacted in 1882, 84; w. decisions of supreme court. Rutland 1885. 8vo, bds. 75c. Tv.
Porter (Beer) 1400, 1436; see 384*; see also *Ale—Beer—Stout*.
Portland Cement 209, 328, 1285, 1457; see 465; see *Cement—Concrete—Hydraulic Cement*.
- 737b **Posselt, E. A.** Technology of textile design: treatise on the construction and application of weaves for all textile fabrics, with reference to the latest inventions. Illus. Phila. 1888. 4to, \$5.00. 28s. Bb—Lab—Mu.
Potash 604; see 1409; see also *Alkali—Salt*.
Potassium oxalate, see 402; see also *Photography*.
- 738 **Potato Culture: its extension and improvement, by an old exhibitor.** Lond. 1881. sq. 16mo, 1s. Cd.
Potato 346, 361, 738; see 384*, 1346a; see also *Grocery*.
Pots, see 384*, 1346a; see also *Pottery*.
Pottery 183, 184, 191, 373, 410, 419, 612, 613, 807, 856, 998, 1055, 1084, 1101, 1191, 1217, 1320, 1418, 1451, 1596; see 384*, 864, parts 25, 26; 918 vols. 1, 2; 1456a, 1506; see also *Ceramics—China—Earthenware—Enamels—Glazes—Porcelain—Pots—Pottery Painting—Terra Cotta*.
Pottery, Japanese 63, 1344.
Pottery Painting 459, 648, 806a, 1199a, 1367, 1418, 1503; see also *Ceramics—China Painting—Earthenware—Terra Cotta Painting—Porcelain P.*
- 739 **Powell, G. T.** Foundations and foundation walls, for all classes of buildings, pile drawing, building stones and brick, pier and wall construction, mortars, limes, cements, etc. Illus. N. Y. 1884. 8vo, \$2.00. The same, rev. and enl. 3d ed. N. Y. 1888, ('89.) 8vo, \$2.00. Caa—Cag—Mu—Va.
- 740 **Powell, H. J.** The principles of glass making; also Chance, H. Treatise on crown and sheet glass; and Harris, H. G. Plate glass. Illus. Lond. 1882. P. 8vo, 3s 6d. \$1.50. Bb—Bm—Mu.
- 741 **Power, Mrs. S. D.** ("Shirley Dare," pseud.) Fruits, pastes, syrups and preserves. Bost. 1885. 12mo, pap. 25c. O. o.p. Da.
Power in Loom, 137; see also *Weaving*.
- 742 **Powers, St.** The American merino, for wool and for mutton: practical treatise on the selection, care, breeding and diseases of the merino sheep in all sections of the U. S. Illus. N. Y. 1887. 12mo, \$1.50. Ju—Mu.
- 743 **Practical cabinet-maker by a working man.** 3d ed. Illus. Lond. 1887. Cr. 8vo, 4s, \$2.00. Mu—Wal—Way.
- 743a **Practical guide for making ensilage stacks and silos.** Lond. 1888. 6d. Ei.
- 744 **Practical guide to economical furnishing, by the author of "How to Dress on £15 a year."** Lond. 1881. 12mo, 1s.; same, new ed. 1884. 12mo, 6d. Rw.

- 745 **Practical guide to French polishing, by a practical man.** Illus. Lond. 1885. P. 8vo, 2s 6d. Way.
- 745a **Practical guide, the same.** 3d ed. Illus. Lond. 1888. P. 8vo, 2s 6d. Way.
- 746 **Practical upholstery, by a working upholsterer.** Illus. London 1881. Cr. 8vo, 2s 6d. Way.
- 747 **Preble, G. H.** History of the flag of U. S. naval and yacht club signal, seals, and arms, and national songs of U. S., with symbols, standards, banners, and flags of ancient and modern nations. 2d rev. ed. N. Y. 1880. \$6.00. Wal.
- 748 **Preble, G. H.,** the same, 3d rev. ed. Bost. 1882. \$7.50. Oc—Te.
- 749 **Preble, W. P., Jr.** Patent case index: cont. lists of all the cases involving patents for inventions as rep. in U. S. Sup. and Circuit Court reports, etc. to 1884. 2d ed. Bost. 1884. 12mo, shp. \$6.00. Ln.
- Precious Metals* 1353a; see also *Jewelry—Plate*.
Precious Stones 157, 194, 558, 750, 751, 752, 753, 881, 1196, 1218, 1353a; see 918 vol. 1; see also *Diamonds—Gems—Jewelry—Rubies—Stone*.
- 750 **Previous stones, collected by H. L. Sidney Lear.** 3 vols. Lond. 1882. 48mo, in box 4s. Ro.
- 751 **Precious stones, diamonds, art, collected by H. L. Sidney Lear.** Lond. 1881. 64mo, 1s. Ro.
- 752 **Precious stones, pearls, coll. by H. L. S. Lear.** London 1881. 64mo, 1s. Ro.
- 753 **Precious stones, rubies, nature, coll. by H. L. S. Lear.** London 1881. 64mo, 1s. Ro.
- Precis Writing* 161, 489a; see also *Digest—Indexing*.
Preserving Provisions and Fruits, Meat, Wood, etc. 218, 741, 800, 1387, 1400, 1454a; see 123, 384*, 402, 864 part 16; 1007; see also *Borax—Canning—Catsup—Curing—Grocery—Jellies—Mustard—Oyster—Pickles—Syrup*.
- 753a **Prestwich, A.** Cotton doubler assistant. Lond. 1888. P. 8vo, 2s. Hac.
- 754 **Prestwich, A.** Young man's assistant to cotton spinning. Rev. and enl. ed. Lond. 1883. P. 8vo, 4s 6d. \$3.00. Bb—Hac.
- 754a **Price, B. and Steuart, A.** American Trade-mark cases. Balto. 1887. 8vo, shp. \$7.50. Cus.
- 755 **Price, H. C.** How to make pictures. N. Y. 1882. 50c. Mu—Sd.
- 756 **Pridmore, T. W.** Guide to the preparation of bills of costs. 7th ed. Lond. 1884. 8vo, 15s. Wm.
- 756a **Prignot, E.** Mantels and side walls: showing mantels and various accessories, such as mirrors, decorative panels, wainscoting, clocks, etc. 32 pl. 10x15. N. Y. 1888. Portfolio, \$5.00. Oa—Mu.
- 757 **Priestley, J.** Clothing. Lond. 1881. Cr. 8vo, 1d. Hac.
- Printing* 480; see also *Painting—Paints*.
Print Collecting 605.
Print Works, see 921a.
Printers' Addresses 333; see 584; *Printers' Bookkeeping* 857a.
Printing 91, 92, 106, 272a, 292, 331, 385, 424, 444, 449, 478, 505, 505a, 534, 583, 589, 609a, 696, 700, 707, 709, 758, 759, 780, 857a, 1013, 1023, 1023a, 1028, 1192, 1310; see 19 vols. 2, 3; 864 part 26; 918 vol. 1; 1401; see also *Ala-types—Alizarin—Aniline C.—Arming Press—Color—Electrotyping—Ink—Letter-Foundries—Lithography—Photo Mechanical Printing—Steel-Facing—Steno-Typography—Stereotyping—Type-Founding—Type-Setting—Zincography*.
Printing Machinery 1023, 1023a.
Printing Press, see 19 vol. 5, 6.
Printing Recipes 505, 696.
Printing Textile Fabrics 1422, 1424; see 1093, 1499; see also *Aniline C.—Bleaching—Borax—Calico Printing—Cleaning—Cleansing—Dextrine—Dyeing—Laundries—Tissue Printing—Washing*.
Printing Trades, see 333, 584.
- 758 **Printing times and lithographer technical fine art journal of typography, etc., estab. 1869.** Lond. 1886. Clo. 8s 6d. ea. yearly vol. Way.
- 759 **Printing trades' diary and desk book.** 8th year. Lond. 1886. Cr. 8vo, bds. 2s 6d. Way.
- Printing Types* 147, 396; see also *Letter-Foundries—Type-Founding*.
- 760 **Fritchard, H. B.** Photographic studios of Europe. Lond. 1882. 12mo, 2s. Ph.

- 761 **Proctor, H. R.** Text-book of tanning: treatise on the conversion of skins into leather, both pract. and theoretical. 8 pl. and illus. Lond. 1885. 8vo, 10s 6d. \$4.00. Sai.
- 761* **Producers' (The)** handy reference book. Chicago 1887. \$1.00. Nn.
Products 39, 761*, 841, 919, 997b, 1009a, 1492, 1493; see also *Animal Products—Com. Prod.—Grocery—Rice—Trade Prod.—Vegetable Com. Prod. Products of the Sea* 1492.
Professions 702.
- 761a **Propert, J. L.** A history of miniature art; with notes on collectors and collections. W. 22 pl. Lond. 1887. 4to, \$27.50. Mb.
- 762 **Proportionate** prices for widths of cloth from 14 to 120 inches. Lond. 1884. 18mo, 1s 6d. Su.
Provisions, see *Grocery—Preserving*.
- 763 **Public shooting quarters**, by Wildfowler. Lond. 1881. P. 8vo, 2s 6d. Cam.
Pulp 697, 714; see 260, 918 vol. 3; see also *Cardboard—Paper—Paper-mills—Papier-mache—Ragdealers*.
- 763a **Pulsifer, W. H.**, comp. Notes for a history of lead, and an inquiry into the development of the manufacture of white lead and lead oxides. N. Y. 1888. 8vo, \$4.00. Mu—Va.
Pumps and pumping 89, 210, 286, 391, 1216, 1522; see 588, 865a part 15; 1505a parts 84, 85; see also *Wells*.
Punches 1400; see also *Bartenders' G.—Liqueurs*.
Purchasing, see *Buyer*.
- 763b **Putnam, J. Pickering.** Improved plumbing appliances: Illus. N. Y. 1887. 8vo, \$1.50 red. to \$1.00. Cag.
- 764 **Putnam, J. P.** The open fire place in all ages. 2d ed. illus. and plates. Bost. (1880.) 1881. 12mo, \$2.00. Caa—Cag—Va—Wal.
- 765 **Pym, T.** A B C drawn and coloured. Lond. 1885. Sq. 4to, 2s 6d. Gb.
Pyrotechnics 308, 533, 1127, 1206, 1231, 1232; see 281a, 1401; see also *Blasting Powders—Blasting Compounds—Fire-works—Fulminates*.
Pyroxyline, see *Gun-cotton*.
-
- 766 **Quaritch, B.** Facsimiles of choice examples of historical and artistic book-binding and of specimens of book illumination. Section 15, 16, 17. Part 1. Lond. 1888. Pap. 21s. Q.
Quarrying 256, 869; see 918 vols. 3, 4; 1505a part 85; see also *Slate*.
Quill Pens, see 918 vol. 1; see also *Pens*.
-
- Rag dealers*, see 921a.
Railway car painting, see 371a; see also *Carriage—Painting, mech*.
Razors, see 1346a; see also *Grinding—Setting R*.
- 767 **Reade, A.** Tea and tea drinking. Illus. Lond. 1884. 12mo, 1s. Lab.
Rectifying 121, 1203, 1229; see also *Distillation—Gauging—Paraffin*.
- 768 **Redwood B.** Petroleum and its products. 4 Cantor lectures. Lond. 1886. \$1.00. Ru—Sae.
- 769 **Redwood, B.** Petroleum: its production and use. Abridged from Cantor lectures before the Society of Arts, London. N. Y. 1887. 18mo, bds. 50c. Va—Wal.
- 769a **Reed, H. A.** Photography applied to surveying. N. Y. 1888. 4to, \$2.50. Mu—Wag.
- 770 **Reed, H. A.** Topographical drawing and sketching; including applications of photography. N. Y. 1886. 4to, \$3.50. Wag.
- 771 **Reed, T. B.** History of the old English letter foundries, with bibliog. and historical notes on the rise and progress of English typography. Illus. N. Y. 1887. Cr. 4to, \$10.00. AA.
- 772 **Rees, J. E. R.** Home decoration, embroidery painting etc. N. Y. 1883. 12mo, 60c. Ap.
- 773 **Rees, J. E. R.** Home occupations. Illus. N. Y. 1883. 12mo, 60c. Ap.
- 774 **Reeves, R. H.** Bad drains, and how to test them; notes on ventilation of sewers, drains, and sanitary fittings, etc., with 3 pl. Lond. 1885. 8vo, 3s 6d. \$1.40. Sai.

- 774a **Reid, W. M.** The culture and manufacture of indigo. Illus. (Calcutta) Lond. 1888. Cr. 8vo, 7s 6d. \$3.00. Mu—Tc.
- 774* **Rein, J. J.** The industries of Japan, together with an account of its agriculture, mining, forestry, arts, and commerce. Illus. and maps. N. Y. 1888, Roy. 8vo, \$10.00. AA.
- Reins* 1236; see also Harness—Leather—Saddlery.
Remunerative trades 824.
- 774b **Renaissance** of the Irish art of lace-making. Illus. by photog. reproductions of Irish lace made from new and specially designed patterns. Notes and descrip. by A. S. C. Lond. 1888. 8vo, 2s 6d. Ch.
- Repairing* Flutes, see 19 vol. 5; see also Musical Instruments.
Repairing Oil Paintings and Renovat. of Paintgs., Prints, etc. 1396; see 19 vol. 3; see also Cleaning Oil P.
Repousse Work 20, 430, 565, 569, 645; see 19 vol. 6; see also Brass—Brass Repousse W.
- 775 **Representative** etchings by artists of to-day in America; plates by Church, Blum, Parrish and others; text by R. Hitchcock. N. Y. 1887. Folio \$10.00. Sap.
- Resinous* and gummy substances, see 864 parts 26, 27; 918 vol. 2.
Retouching 653; see 19 vol. 5; 1020a, 1021; see also Negatives—Photography.
Revolvers 974; see also Gun—Pistol—Rifle.
- 775a **Rew, R. H.** Stack ensilage. Lond. 1888. P. 8vo, pap. 1s. Sc.
- Rhodian* Wares 1245.
Rice 951; see also Cereals—Com. Prod.—Grocery.
- 776 **Richards, J.** Woodworking machinery and the arrangem. of factories: manual for practical workmen. Illus. Lond. 1885. 8vo, 5s. \$1.50. Mu—Sai—Wal.
- 777 **Richards, J. W.** Aluminium; its history, occurrence, properties, metallurgy, and applications, including its alloys. Phil. 1886. 12mo, \$2.50. 12s 6d. Bb—Lab—Mu.
- 778 **Richardson, B. W.** Healthy manufacture of bread: a memoir, etc. Lond. 1884. 12mo, 1s and 6d. Ba.
- 779 **Richardson, W.** Timber merchants', etc. freight book and assistant. Lond. 1884. 12mo, 3s 6d and 3s. Lp.
- 780 **Richmond, W. D.** Colour and colour printing, as applied to lithography. Lond. 1885. Cr. 8vo, 5s. Way.
- 781 **Richmond, W. D.** The grammar of lithography. 6th. ed. Lond. 1886. P. 8vo, 5s. \$2.00. Mu—Va—Way.
- Rifle* 96, 97, 974, 1072; see 918 vol. 1; 1346a; see also Gun—Pistol.
- 782 **Rigg, Edw.** Watchmaking. 3 lectures. Lond. 1881. 50c. Ru—Sae.
- 783 **Riordan, R.** French etchers: examples of the etched work of Corot, Jacquemart, Daubigny, Ballin, Bastian le Page, etc., with descrip. text. N. Y. 1884. Folio, \$15.00. Do.
- 784 **Riordan, R.** Score of etchings: examples by cel. English etchers, with critical and descriptive text. N. Y. 1883. Folio \$15.00. Do.
- 785 **Rixford, E. H.** The wine press and the cellar: manual for the wine maker and the cellarman. San Francisco 1883. 12mo, \$1.50. Bb—Pf—Va.
- 786 **Roberts, W.** Digestive ferments and preparation, etc. artificial food. 2d ed. Lond. 1881. 8vo, 2s 6d. Sad.
- 787 **Robertson, H. B.** Art of etching, with drypoint, mezzotint and aquatint. Lond. 1883. 12mo, 1s. Wao.
- 788 **Robertson, H. R.** Art of pen and ink drawing, commonly called etching. Lond. 1887. 12mo, 1s. Wao.
- 789 **Robertson, H. R.** Painting on china: terra cotta, oil and water colour. Lond. 1884. 12mo, 1s. Wao.
- 790 **Robins, Eliz.** Art needlework. Part 1: outline embroidery; part 2: filled-in embroidery. Illus. N. Y. 1885. 4to, pap. ea. 35c. AD.
- 790a **Robinson, H. P.** Letters on landscape photography. Lond. 1888. 12mo, pap. 1s. Ph.
- 790b **Robinson, H. P.** The same. N. Y. 1888. 12mo, \$1.50. Sd.
- 791 **Robinson, H. P.** Picture making by photography. Illus. Lond. 1884. 12mo, 2s 6d. \$1.00. The same. N. Y. 1885. 16mo, pap. 75c. Mu—Ph—Sd.
- 792 **Robinson, H. P.** Studio and what to do in it. Lond. 1885. 12mo, 2s 6d. The same. N. Y. 1885. 16mo, pap. 75c. Ph—Sd.

- 793 **Robinson, H. P.**, and Abney, W. de W. Art and practice of silver printing. Lond. 1881. 12mo, 2s 6d. The same, 2d ed. N. Y. 1885. 8vo, pap. 50c. Ph—Sd.
- 794 **Robinson, Tom.** Baldness and greyness: etiology, pathology, etc. 2d ed. Lond. 1883. P. 8vo, 2s 6d. Ki.
- 795 **Robinson, V. J.** Eastern carpets: twelve early examples color. Lond. 1882. Roy. 4to, 63s. Sag.
- 796 **Robinson, W.** God's acre beautiful: cemeteries of the future. Illus. 2d ed. Lond. 1883. 8vo, 7s 6d. Ga.
- 797 **Robinson, W.** Mushroom culture: extension and improvement. Lond. 1883. P. 8vo, 1s 6d. Rw.
- 798 **Roche, T. C.** How to make photographs: manual for amateurs. N. Y. 1886. 12mo, 75c., 50c. Ao—Mu.
- 799 **Rogers, J. E. T.** Ensilage in America: prospects in English agriculture. Lond. 1883. P. 8vo, 3s 6d. The same, 2d ed. 1884. P. 8vo, 1s. Saf.
- Roller Mills 285a; see also Metalworking.
- 799a **Rooper, W. and R.** Plain needlework and knitting: manual of collective lessons. Illus. Lond. 1888. Cr. 8vo, 3s 6d. Saf.
- Ropes and Rope-making 1148; see 864 part 27; 921a, 1093, 1346a; see also Cordage—Flax—Hemp—Jute—Tow—Twine Trade.
- Rope-making Machinery, see 1505a part 89.
- Rope-sight, see Bell-ringing.
- 800 **Rorer, S. T.** Canning and preserving. Phila. 1887. 12mo, pap. 25c. AC—Mu.
- 801 **Roseleur, A.** Galvano-plastic manipulations: practical guide for the gold and silver electro-plater and the galvano-plastic operator. Illus. Phila. 1883. \$7.50, 35s. Bb—Lab.
- 802 **Rossiter, E. K.** and Wright, F. A. Modern house painting, containing 20 colored plates with descriptive text. N. Y. 1882. Obl. 4to, \$5.00. The same, 2d ed. 1883. Obl. 4to, \$5.00 red. to \$3.00. Cag—Ib—Ju—Mu—Sai—Va—Wal.
- 803 **Routh, M.** Law of artistic copy-right, for artists, publishers, and photogs. Lond. 1881. 8vo, 3s 6d. Rg.
- 804 **Routledge, Rob.** Discoveries and inventions of the 19th century. Illus. Lond. 1885. 12mo, \$3.50. Rw.
- Roving, Roving Frames, and Roving Machinery 540, 1066, 1326; see also Spinning.
- Rubber 467, 499; see 1346a, 1401; see also Caoutchouc—Gutta-percha—India Rubber—Waterproofing.
- Rubber Stamps, see 19 vol. 2; 1401.
- Rubies 753; see also Diamonds—Gems—Jewelry—Pearls—Precious Stones.
- Rum 1203; see 384*; see also Liquors—Whiskey.
- 805 **Russell, E. H.** Sam and Tim; or, pebbles for polishing. Lond. 1882. P. 8vo, 1s 6d. Sat.
- 806 **Russell, J. A.** Sanitary houses: two lectures to builders and plumbers. Lond. 1883. 8vo, red. 1s. 60c. Caa—Su.
- Russian Sheet Iron Working 1429a; see 163; see also Sheet Iron W.
- Rye 951; see 384*; see also Cereals.
-
- 806a **S., C. J.** Hints on fine arts: pottery painting. Lond. 1881. 8vo, 1s. Hb.
- Saddlery 1045; see also Harness—Leather—Modelling Leather—Reins—Whips.
- 807 **St. Louis Academy of Science:** contributions to the archaeology of Missouri, part 1: pottery, plates and maps. Salem, Mass., 1880. Folio \$3.00. Bh.
- 807a **Salis, Mrs. de.** Oysters a la mode; or, the oyster and over 100 ways of cooking it; also a few recipes for cooking all kinds of shellfish. Lond. 1888. 12mo, bds. 1s 6d. 60c. Lw.
- Saloons, see Bartenders' G.—Innkeeper.
- Salt 99, 1387; see 864 parts 27, 28; 918 vol 4; see also Potash.
- 807* **Samson, H.**, Crane, O. N., Perrigo, A. B., and Hatfield, M. P. Official text book and lexicon of the National Funeral Directors' Assoc'n. (N. Y.) 1887. 8vo, \$5.00. Ck.
- Sand, see 92b, 284; Sandpaper, see 1346a.

- 807b **Sanders, Wm. B.** Examples of carved oak in the woodwork and furniture of ancient houses, chiefly of the 16th and 17th centuries, with 25 pl. Lond. 1883. La. fol., £1. 11. 6. Q.
- 808 **Sanitary** regulation of bakehouses: treatise on the law and practice. Lond. 1883. Cr. 8vo, 4s 6d. Kn.
- 808a **Sansone, A.** Dyeing: comprising the dyeing and bleaching of wool, silk, cotton, flax, hemp, china, grass, etc. Illus. (Manchester.) Lond. 1888. 8vo, 21s. Su.
- 809 **Sansone, A.** Printing of cotton fabrics: calico bleaching, printing, etc. Lond. 1887. 8vo, 15s. Su.
- Saracens' Art*, see *Art of the S.*
- Sateen*, see 384*.
- Sauerkraut*, see 384*; see also *Grocery*.
- 810 **Saunier, C.** Modern horology in theory and practice, trans. by Tripplin and Rigg. 2d. ed. Illus. Lond. 1884. Roy. 8vo, 42s. \$15.00. To—Va.
- 811 **Saunier, C.** Watchmakers' handbook and companion to allied arts, trans. Lond. 1882. Cr. 8vo, 12s 6d. The same, 2d ed. 1884. 12s 6d. To.
- 811a **Saunier, C.** Watchmakers' handbook, trans. and enl. by J. Tripplin and Edw. Rigg. Illus. 2d rev. ed. Lond. 1888. P. 8vo, 9s. \$3.50. Lp—Mu.
- Sausage*, see 384*, 1346a.
- Saws* 392, 393, 1590; see 1401; see also *Band Saws—Bench Circular Saw—Handsaws—Hardware—Saw-filing—Tools*.
- Saw-filing and Sharpening* 392, 393, 394, 469; see 19 vol. 6; 1401; see also *Grinding—Hand-saws—Hardware—Tool-grinding*.
- Saw Mills* 52, 53a, see 236, 1401; see also *Planing Mill—Sawing Timber—Woodworking Machinery*.
- 812 **Saward, B. C.** Artistic flower decorations for ball rooms, halls, etc. Lond. 1882. P. 8vo, 2s. Bk.
- 813 **Saward, B. C.** Decorative painting; etching upon objects and materials. Lond. 1883. P. 8vo, 7s 6d. \$3.00. Bk—Mu.
- Sawing Timber*, *Machines* used in, see 918 vol. 2; see also *Saw Mills*.
- 814 **Schamell, Geo.** Breweries and maltings: their arrangement, construction, machinery, and plant. 2d ed. rev., enl. and partly rewritten by Fred. Colyer. Illus. Lond. 1880. 8vo, 15s. \$6.00. Bb—Mu—Sai—Va.
- Scandinavian Industries* 1317; see also *Industries*.
- 815 **Schild, Marie.** Old english costumes: an epitome of ladies' costumes. Illus. Lond. 1883. 4to, 2s 6d. Mn.
- 816 **Schild, M.** One thousand characters suitable for fancy costume balls. 2d ed. Lond. 1887. 4to, pap. 2s 6d. Mm.
- 817 **Schriber, F.** Complete carriage and wagon painter. Illus. N. Y. 1883. Clo. \$1.00. Mu—Rk.
- 818 **Schwackhofer, F.** Fuel and water, special chapters on heat, etc., by Browne. Illus. Lond. 1884. 8vo, 9s. Gaf.
- 819 **Scott, J.** Barn implements and machines: application of power, etc. Lond. 1884. 12mo, 2s. Lp.
- 820 **Scott, J.** Field implements and machines: varieties now in use. Lond. 1884. 12mo, 2s. Lp.
- 821 **Scott, J., and Morton, J. C.** Soil of the farm. Lond. 1882. P. 8vo, 2s 6d. \$1.00. Bag—Ju.
- Scouring* 1158, 1208, 1380; see 281a, 384*, 1007, 1207, 1309, 1506; see also *Bleaching—Dyeing—Printing T. F.*
- 822 **Screens.** N. Y. 1882. 16mo, pap. 25c. AD.
- Screens* 822; see 19 vol. 5; 384*; see also *Painting Screens*.
- Screw cutting* 166a; see 600a.
- A full list will be found in part 3.
- Scrolls* 1108a, 1117, 1184, 1326, 1381, 1476, 1508; see also *Alphabets—Crests—Fret-Cutting—Monograms*.
- 822a **Seager, R.** Practical treatise on the manufacture of cheap non-alcoholic beverages. W. sketches of my life, etc. Lond. 1888. 8vo, 1s. N.
- Seal Engraving*, see 1136; see also *Engraving in Metal*.
- Sealing Wax* 22, 122; see 123, 1401; see also *Wax*.
- 823 **Seaton, Sir T.** Fret cutting and wood carving, diagrams. New ed. Lond. 1883. P. 8vo, 1s. Rw.
- Seats of Industry*; see 918 vols. 1, 2, 4; see also *Industries*.

- Sedlitz Powders and Seltzer Water*, see 384*; see also Mineral Waters—Sulphate of Soda.
- 823a **"Seconds"**, (pseud.) Watch (the), and how to repair it. Rev. and enl. ed. N. Y. 1886. 12mo, \$1.00. Ed.
- 824 **Self-helps for women: guide to remunerative trades, etc.** Lond. 1884. 12mo, 1s 6d and 1s. Hag.
- Sepulture* 80, 317, 453, 584a, 627, 807*, 939, 1011, 1019; see also Burial—Cemeteries—Cenotaphs—Cremation—Crosses—Embalming—Headstones—Monuments.
- Setting Razors*, see 1136; see also Razors.
- Sewing* 1061a, 1486a; see also Needlework—Tailoring—Thread Making.
- Sewing Machines* 950, 1316a; see also Dress—Needlework—Tailoring.
- 825 **Sharp, P.** Flax, tow, and jute spinning, rules, calculations, and tables. 2d ed. Lond. 1882. P. 8vo, 5s. \$2.50. Bb—Su—Wal.
- 826 **Sharp, P.** Reference tables for flax, tow, and jute spinners. Lond. 1884. 12mo, 1s. Su.
- Sharpening*, see Grinding—Saw Filing—Setting Razors.
- Shaving*, see 384*.
- 827 **Shaw, C.** Alphabet texts for pricking or painting. Lond. 1884. 4to, packet 1s. Sm.
- 828 **Shaw, E. M.** Fires and Fire brigades. Lond. 1884. 8vo, 1s. 40c. Cac—Sai.
- 829 **Sheals, J., comp.** Correct history of tobacco and cigar manufacturers in the city and county of N. Y. N. Y. 1881. 8vo, pap. \$1.00. Sn.
- Sheep weighing*, 516a.
- Sheet Iron working* 95, 1357a; see also American Sheet I. W.—see also Galvanized Iron Working—Metal Working—Russian Sheet I. W.—Tin-smithing.
- Sheet Metal Working* 238, 1034, 1559; see 1381a; see also Amer. Sheet I. W.—Metal Working—Tin—Tinsmithing.
- 830 **Sheldon, G. W.** Story of the Volunteer Fire Department of the city of N. Y. N. Y. 1882. 8vo, \$4.50. Hd.
- 831 **Sheldon, J. P.** Dairy farming: theory, practice and methods, col. pl. Lond. 1881. 4to, 31s 6d. \$17.50, red. to 25s. \$12.50. Cd.
- 831a **Sheldon, J. P.** Dairy farming. Cheaper ed. Lond. 1888. 4to, 21s. Cd.
- 832 **Shelley, C. P. B.** Workshop appliances. 6th ed. rev. and enl. Lond. 1883. 12mo, 4s 6d. The same. N. Y. 1883. 16mo, \$1.75. Ap—Lw—Mu.
- Shelves*, see 19 vol. 5; see also Furniture.
- 833 **Shenstone, W. A.** Methods of glass blowing, for physical, etc. students. Lond. 1886. 12mo, 1s 6d. Mu—Ro.
- Sherry*, 1550; see also Wines.
- 834 **Sherwood, Mrs. W. E. W.** Amenities of home. N. Y. 1881. 12mo, 60c. Ap.
- Shipping*, see Export—Packing.
- Shoddy Trade*, see 921a.
- 835 **Shoe and leather record**, conduc. by John T. Day. Lond. 1886. Yearly vol. 5s. Way.
- 835a **Shoe and leather report and directory for 1888-9.** 10th ed. Bost. 1888. 4to, clo. \$2.50. Dn.
- Shoe making*, see Boot and Shoemaking.
- Shooting* 287; see also Gun—Pistols—Revolvers—Rifle.
- Shopkeeping* 342; see also Storekeeping.
- 836 **Sibley, J. D. and Kittredge, A. O.** The practical estimator: companion and key to the handy est. blanks. N. Y. 1885. 16mo, \$1.00. Wal.
- Contains estimates on cisterns, coal bins, masonry, slating, wells, etc.
- 837 **Sibley, J. D. and Kittredge, A. O.** Handy estimate blanks. N. Y. 1885. 4to, pap. 15c. Wal.
- Contains estimates on work in carpentry and masonry.
- 837a **Sibson, A.** Artificial manures: how to make, buy, value and use them. New ed. Lond. 1880. P. 8vo, 2s 6d, red. to 1s. Rn.
- Siccatives* 22, 122; see also Paints—Varnishes.
- Side Walls* 756a; see also Cabinet-making.
- Sign painting and writing* 166, 254, 692, 1107, 1116, 1488, 1489, 1509; see 371a, 1346a; see also Alphabets—Crests—Glass-Signs—Lettering—Letter-printing—Linen Transparency P.—Monograms—Scrolls—Stencilling.
- Sign painters*, Alphabets for, 13.
- Silicates* 1074, 1075; see also Alkali.

- Silk*, Culture and Manufacture 55; see 88, 249, 255, 384*, 511, 808a, 864 part 28; 918 vols. 1, 2, 3, 4; 921a, 978a, 1093, 1123, 1162, 1193, 1346a, 1358, 1555, 1594; see also Plush—Velvet.
- Silk* dealers and trades, see 921a.
- 838 **Silk** rag curtains. N. Y. 1882. 16mo, pap. 25c. AD.
- 839 **Silos** for preserving British fodder crops stored in green state: notes, ensilage. Lond. 1883. 8vo, 4s. The same, 2d ed. 1884. 8vo, 6s. Cam.
- Silos* 315, 931; see also Ensilage.
- 840 **Siluriensis**, L. Anatomy of tobacco. Lond. 1884. P. 8vo, 3s 6d. Rc.
- Silvering* 355, 371; see 123, 281a, 384*, 1346a, 1506; see also Gilding—Nickel—Silversmithing.
- Silver* Printing 6a, 793; see also Photography.
- Silversmithing* 301, 377, 386, 706, 999, 1107, 1442, 1443; see 918 vol. 3; 1210*; see also Jewelry.
- 841 **Simmonds**, P. L. Dictionary of useful animals and their products: manual of ready reference for all commercially important, and others, which man has utilized; including a glossary of trade and technical terms connected therewith. S. K. A. K. Lond. (1884). Fcap. 8vo, 7s 6d. \$2.00.
- Ch—Sai—Si.
- 841a **Simmonds**, P. L. The animal food resources of different nations, with mention of some of the special dainties of various people derived from the animal kingdom. N. Y. 1888. 8vo, red. to \$1.00. Sai.
- 842 **Simonds**, W. E. Summary of the law of patents for useful inventions, with forms. N. Y. 1883. 12mo, shp. \$3.00. Sar.
- 842a **Simonds**, W. E. A digest of patent cases embracing all patent cases decided in the Federal and State courts from 1789 to 1888. N. Y. 1888. 8vo, shp. \$10.00. Sar.
- 843 **Simpson**, J. The grape vine: its propagation and culture. Lond. 1883. 12mo, 1s. 50c. Rw.
- Sizing* in Cotton Goods 261.
- Skins*, see 864 part 28; see also Hides—Parchment—Tanning—Tawing.
- Skirts* 663g.
- 844 **Skuse**, E. The confectioner's handbook and practical guide to the arts of sugar boiling in all its branches. 3d ed. Lond. 1881. 8vo, 7s 6d. \$3.00.
- Sw—Va.
- Slate* and *Slatting* 256, 463a, 675*, 694, 836, 869, 1829, 1513; see 162, 918 vol. 3; see also Quarrying.
- 845 **Slater**, J. W. Manual of colors and dye wares: properties, applications, valuation, impurities, and sophistications. 2d ed. Lond. 1882. 12mo, 7s 6d. \$3.75. Bb—Lp—Va.
- Shubbing* 540; see also Roving—Spinning.
- 846 **Smith**, D. The English dyer. Lond. 1882. 8vo, 84s. \$35.00. Bb—Su.
- 847 **Smith**, J. E. A. History of paper, its genesis, and its revelations, origin and manufacture, utility and com. value of an indispensable staple of the com. world. Holyoke, Mass., 1882. 8vo, \$1.00; $\frac{1}{4}$ mor. \$2.00; leather \$3.00.
- Bas.
- 848 **Smith**, J. M. Album of decorative figures. Lond. 1881. Fol. 21s. Lab.
- 849 **Smith**, J. M. Ancient Greek female costume. Illus. by 112 plates. Lond. 1882. Sq. 16mo, 7s 6d. Lab.
- 850 **Smith**, T. E. Inventions, and how to patent them. Lond. 1885. 12mo, 2s 6d. K.
- 851 **Smith**, W. Examples of household taste. Illus. N. Y. (1880). 4to, \$6.00. Was.
- 852 **Snowdon**, J. W. Rope sight: intro. to the art of change-ringing. 2d ed. Lond. 1881. P. 8vo, 1s 6d. Gb.
- 853 **Snowden**, J. W. Standard methods in the art of change-ringing. Lond. 1881. P. 8vo, 2s 6d. Gb.
- 854 **Snowden**, J. W. Treatise on treble-bob. Parts 1, 2. Lond. 1881. P. 8vo Part 1, 1s 6d; part 2, 2s. Gb.
- 855 **Soames**, P. Manufacture of sugar from the sugar cane. Lond. 1885. 8vo, red. to 4s 6d. \$1.50. Sai.
- Soap*. 119, 170a, 173, 242, 984, 1035, 1108, 1402, 1501; see 19 vols. 1, 3; 123, 281a, 384*, 864 parts 28, 29; 1007, 1346a, 1355, 1401, 1456a, 1506; see also Alkali—Borax—Candles—Fats—Grease—Laundries—Oils—Soda—Starch—Stearine—Tallow—Washing.

- Socks* 576; see also Hosiery—Knitted Fabrics.
Soda 604; see 384*, 918 vol. 1; see also Alkali—Borax—Laundries—Washing.
Soils 821; see 918 vol. 1; see also Chemistry of the Farm—Fertilizers—Manure.
- 856 **Solon, L. M.** Art of the old English potter: foreign imitations. 2d ed. Lond. 1885. 8vo, 10s 6d. The same, N. Y. 1885. 12mo, \$2.25. Ap—Bn.
- Soluble Glass*, see 281a, 1346a; see also Glass—Water-Glass.
Sorghum 207, 981, 1514; see 384*; see also Sugar.
Sorrento Work 1321, 1516; see also Cabinet-Making.
- 857 **Southby, E. R.** Systematic book of practical brewing. 2d ed. Lond. 1885. P. 8vo, 21s. Sah.
- 857a **Southward, J.** Practical printing: a handbook of the art of typography. 3d ed. with bookkeeping for printers, by A. Powell. 2 vols. Lond. 1888. Cr. 8vo, 8s. Po.
- 858 **Souvenir** album of the New England manufacturers' and mechanics' institute, past and future. Illus. Bost. 1884. Sq. 12mo, pap. 25c. Ra.
- 859 **Spang, H. W.** Practical treatise on lightning protection. Illus. Phila. (1877, \$1.50.) 1883. 12mo, 75c. Cab—Mi—Mu—Sai—Va.
- 860 **Spaulding, R.** First lessons in amateur photography: lectures. N. Y. 1885. 8vo, pap. 25c. Sd.
- Spectacles* 146, 961, 1167, 1306; see 384*, 918 vols. 1, 2; 1198a; see also Optician.
- 861 **Spencer, C.** Bicycles and tricycles, past and present: a complete history. Lond. 1883. 12mo, 1s. Gah.
- Spices*, see 384*, 864 part 29; see also Pepper—Plants yielding Spices.
Spikes 1045; see also Nails.
- 862 **Spinks, Wm.** Law and practice as to paving of private streets, according to the public health act, 1875, with digests of all cases bearing on the same. Lond. 1887. P. 8vo, 3s 6d. \$1.50. Sai.
- Spinning* 540, 610, 623, 625, 825, 826, 1563; see 918 vol. 3; 1371; see also Cotton Spinning—Roving—Slubbing—Yarn.
Spinning Cotton, Machines used in, see 918 vol. 2.
- Spirit* 531, 1229, 1448; see also Distilling—Gauging—Liquors—Rectifying.
- 863 **Spitzli, Afr.** Manual for managers, designers, weavers and others connected with the manufacture of textile fabrics. Illus. West Troy, 1881. 8vo, \$2.00. The same, 5th ed. enl. 8vo. 1881. \$5.00. Bb—Y.
- 864 **Spon's** Encyclopædia of the industrial arts, manufactures and commercial products, ed. by C. G. W. Lock. Illus. 2 vols. Lond. 1882. Sup. roy. 8vo, £3. 10. \$27.00. ½ mor. £4. 10. \$35.00; or in 5 divisions £3. 11. 6. \$27.00; and in 33 parts (each separate), each 2s. 75c. Mu—Sai.
- 865 **Spon's** Household manual: treasury of domestic receipts and guide for home management. Illus. Lond. 1887. Roy. 8vo, 7s 6d. \$3.00. Mu—Sai.
- 865a **Spon, E.** Supplement to the dictionary of engineering, civil, mechanical, military and naval. Lond. 1879–81. Sup. roy. 8vo. In 18 parts (sold separately) 2s. 75c each; or in 3 divisions, cloth, each 13s 6d. \$5.00; or in 1 vol. cloth 40s. \$15.00. ½ mor. \$20.00. Sai.
- 865b **Spon's** mechanics' own book; manual for handicraftsmen and amateurs. 2d ed. Lond. 1886. 8vo, pap. 6s. \$2.50. Mu—Sai.
- 866 **Spon, E.** Water supply: present practice of sinking and boring wells, with geolog. considerations and examples of wells executed. 2d ed. Illus. Lond. 1885. 8vo, 10s 6d. \$3.50. Mu—Sai.
- Sponges* 1336; see 384*, 918 vol. 1; 1346a.
Springs for Beds, see 384*; see also Furnishing—Furniture.
- 867 **Spry, W. J. J.** Engineer officers' watch station quarter and fire bells. Lond. 1885. 12mo, 1s 6d. Su.
- 868 **Stables, W. G.** Tea, the drink of pleasure and of health. Lond. 1883. Sq. 16mo, 1s. Fg.
- Stack ensilage*, see Ensilage.
- 869 **Stafford, H. N.** Slate tables: designed for the use of slaters, quarrymen, dealers, etc. 4th ed. N. Y. 1880. 12mo, \$3.00. Caa—Pr.
- Staining and stains* 362, 370, 371, 464a, 1250; see 384*, 865b, 877, 1007, 1142, 1346a; see also Color—Glass-staining.
Staining Glass, see Glass-staining.
- 870 **Standage, H. C.** The artists' table of pigments. Lond. 1883. Ob. Folio, 1s. Gb—Va.

- 870a **Standage, H. C.** The same. London 1886. 12mo, 2s 6d. Lp.
- 871 **Stanley, Kate.** Needlework and cutting-out: hints, suggestions, etc. Lond. 1883. P. 8vo, 3s 6d. The same, 2d ed. 6s. Sal.
- 871a **Stanley, Kate.** Needlework and cutting out: notes of lessons specially for the use in preparing pupils for an exam. in the governm. schedule III. New ed. enl. and rewritten. Lond. 1888. P. 8vo. 4s 6d. Sal.
- Starch* 16, 16a, 75, 360; see 384*, 864 part 29; 918 vol. 1; 1401; see also Dextrine—Levulose—Soap.
- Starch* Glucose 965; see also Glucose.
- Starch* Sugar 360, 965; see also Starch.
- Stave-making* and Cask-machinery, see 1505a part 92.
- Steam* cooking apparatus, see Steam-Fitting.
- Steam-Fitting* and Heating 51, 128, 220, 299, 299a, 339, 474, 658, 1119, 1510, 1533; see 473, 865, 865b; see also Kitchen-Boiler—Plumbing.
- Stearine*, see 384*, 918 vol. 1; see also Candles—Grease—Paraffin—Soap—Tallow.
- 872 **Steel, I.** Selection of the principal points of malting and brewing, and strictures thereon. For the use of brewery proprietors. Lond. 1881. 8vo, 30s. \$12.00. Bb—Mu—Sai—Va.
- Steel* engraving, see 1401; see also Engraving—Etching—Wood Engraving.
- Steel* Facing, see 1022; see also Stereotyping.
- 873 **Steele, J.** Hay and straw measurer, tables, etc. 3d enl. ed. London 1881. 12mo, 2s. Lp.
- 874 **Steinmetz, A.** The smokers' guide, philosopher and friend. New ed. Lond. 1881. 18mo, 1s. 50c. Bad—Si.
- Stencilling* and Stencilled Decoration 567, 570, 647; see 19 vol. 1; 371a; see also Painting—Sign-P.
- Steno-typography* 140.
- Stereotyping* 1022; see 588, 1401; see also Brass-Facing—Electrotyping—Letter foundries—Printing—Steel-Facing—Typefoundry.
- 875 **Sternberg, G. M.** Photo-micrographs and how to make them by heliotype process. Bost. 1883. 8vo, \$3.00. Oc—Te.
- 875a **Stevenson, T.** Treatise on alcohol: with tables of spirit gravities. 2d ed. London 1888. Fcap. 8vo, 3s 6d. Gau.
- 875b **Stevenson, W.** The trees of commerce. (Timber trade handbooks No. 2.) London 1888. 8vo. 3s 6d. Rm.
- 876 **Stewart, H.** The dairyman's manual: practical treatise on the dairy. Illus. N. Y. 1887. 12mo, \$2.00. Ju—Mu
- Stockings* 576, 995a; see 384*; see also Cotton—Haberdasher—Hosiery—Knitted Fabrics—Needlework—Wool—Yarn.
- 877 **Stokes, J.** The cabinet-maker and upholsterers' companion: veneering, inlaying etc. New ed. Phila. 1880. 12mo, \$1.25. Bb—Caa—Mu—Va—Wal.
- Stone* 675*, 1215, 1322, 1324; see 463a, 964a, 1346a; see Building Materials—Building Stones—Free Stone—Masonry—Measur. Glass and St.—Mill Stones—Ornam. Stones—Pebbles—Precious Stones—Stones Silicif.—Stonework.
- Stones*, Artificial 1263; Stone Conversion 53.
- Stonecutting* 1197; see 1401; see also Masonry—Precious Stones.
- Stones*, Silicifying 1230; see also Pebbles.
- Stone* Ware 1084; see also Earthenware.
- Stonework* and Stoneworking, see Brickwork—Gothic Stonework—Granite—Marble—Monuments—Stone.
- Stone-working* Machinery 53; see 865a part 18.
- Stools* 223; see also Furniture.
- 877a **Stopes, H.** Malt and malting: historical, scientific and practical treatise. Lond. 1886. 8vo, 21s. Bai.
- Storekeeping* 921, 1302; see also Law on Sales of G.—Shopkeeping—Tradesman's G.
- Storing* Goods, see 1007, see also Warehouses.
- Stout* (Beer) 1436; see also Beer—Porter.
- Stoves* 1211, 1212, 1214; see 384*, 865, 1346a; see also Fire Places—Furnace—Furnishing Houses—Hardware—Metal Trade—Ovens.
- 878 **Stratton, J. Y.** Hops and hop pickers. C. P. C. K. Lond. 1883. P. 8vo, 2s 6d. Ch.
- Straw* Bleaching, Dressing and Dyeing, see 123.

- Straw Measurer* 873, see 1401.
Straw-plait, see 588, 1346a.
Straw-sizing, see 123.
- 879 **Streeter, E. W.** Great diamonds of the world: their history and romance. N. Y. 1882. 4to, pap. 20c. Hd.
- 880 **Streeter, E. W.** Great diamonds of the world, by Hutton and Keane. Lond. 1882. 8vo, 7s 6d. Bm.
- 880a **Streeter, E. W.** Pearls and pearling life. Illus. Lond. 1886. 8vo, 12s 6d. Bm.
- 881 **Streeter, E. W.** Precious stones and gems: their history and distinguishing characteristics, with color. plates and photog. 4th rev. ed. Lond. 1887. 8vo, 15s. \$3.75. Bm—Ec—Mu—Si—Va.
- Stuccos* 1428; see 384*, 465, 1111, 1401; see also Cement—Lime—Plastering.
- 882 **Students'** guide to practice of measuring and valuing artificers' works. Lond. 1884. P. 8vo, 9s. Lp.
- 883 **Study** book of furniture and furnishing: a series of 66 folio plates of designs showing interiors, cabinet-work, upholstery and sundries. N. Y. 1885. Plates 12x17. Portfol. \$10.00 red. to \$4.00. Cag—Oa—Wal.
- 884 **Stutzer, A.** Nitrate of soda: its importance as manure, by Wagner. Lond. 1887. Cr. 8vo, 2s 6d. Wae.
- Sugar* 16, 16a, 38, 74, 78, 498, 585, 585a, 855, 981, 1284, 1514, 1591; see 123, 384*, 864 parts 29, 30, 31; 1203, 1346a, 1505a parts 92, 93; see also Cane-sugar—Dexrose—Levulose—Plants yielding Sugar—Sorghum—Sugar Analysis—Sugar-beet—Sugar-boiling—Sugar Cane—Sugar Mill—Sugar Refining—Syrup.
- Sugar Analysis* 942.
- Sugar Beet* 980, 981, 1284; see 1456a.
- Sugar Boiling* 218, 844, 997a, 1169, 1565; see also Candy—Confectionery—Sugar—Syrup.
- Sugar Cane* 439, 981; see also Sugar.
- Sugar Mill*, see 1401, 1505a parts 92, 93.
- Sugar Refining* 64, 1260; see 585a, 1456a.
- 884a **Sullivan, F. A.** Treatise on practical embalming: the most approved methods of arterial embalming and cavity injection, with special instructions for the treatment of bodies where death has resulted from various causes, with chart. Bost. 1887. 12mo, \$2.00; without the chart \$1.50. Ck—E.
- Sulphur*, see 384*, 1346a, 1409; see also Bismuth—Fulminates—Matches.
- Sulphates of Soda* 592, 593; see also Sedlitz Powders.
- 885 **Summer** art work on linen. Illus. N. Y. 1885. 4to, pap. 35c. AD.
- Surface Ornament* 1395e; see also Ornament.
- 886 **Sutton, Fred. H.** Church organs, their position and construction, with appendix cont. some account of the mediæval organ case. Illus. 3d ed. Lond. 1883. 4to, bds. 6s 6d and 7s 6d and 10s. Ro.
- Sweet Potato* 346; see 384*; see also Grocery.
- 886a **Swindell, J. G., and Burnell, G. R.** Wells and well sinking, etc. Rev. 5th ed. Lond. 1883. 12mo, 2s. 80c. Lp—Mu—Va.
- Sword* 159, see 1401; see also Weapons.
- 887 **Sylvia's** Art of church embroidery. (Sylvia's new needlework books). Lond. 1881. Cr. 8vo, bds. 1s. 50c. Ri—Wb.
- 888 **Sylvia's** Art needlework. (Sylvia's home help series). Lond. 1881. Fcap. 8vo, bds. 1s. 50c., clo. 65c. Ri—Wb.
- 889 **Sylvia's** Artistic homes; or, how to furnish with taste. Illus. (Sylvia's home help series). Lond. 1881. Fcap. 8vo, bds. 1s. 50c. Ri—Wb.
- 890 **Sylvia's** Bazaars and Fancy Fairs: advice as to organization. Lond. 1881. 12mo, 1s. 50c. Ri—Wb.
- 891 **Sylvia's** Book of artistic knicknacks, many fancy articles. Lond. 1881. 12mo, 1s. 50c. Ri—Wb.
- 892 **Sylvia's** Book of macrame lace: illus. of many new and original designs. Lond. 1882. P. 8vo. 1883. 12mo. The same, 1885. 12mo. 1s. 50c. ea. Ri—Wb.
- 893 **Sylvia's** Book of monograms and initials for embroidery, etc. 70 patterns. (Sylvia's new needlework books.) Lond. 1887. 12mo, 1s. 50c. Ri—Wb.
- 894 **Sylvia's** Book of ornamental needlework: new designs, with instr. Lond. 1882. P. 8vo, 1s. 50c. Ri—Wb.

- 895 **Sylvia.** The child's illus. fancy work and doll book. Lond. 1881. 12mo, 1s. 50c. Ri—Wb.
- 896 **Sylvia's** Dress, health, and beauty. (Sylvia's home help series.) Lond. 1881. Fcap 8vo, bds. 1s. 50c. Ri—Wb.
- 897 **Sylvia's** Fancy needlework instruction book. Illus. (Sylvia's home help series.) Lond. 1881. Fcap. 8vo, bds. 1s. 50c. Ri—Wb.
- 898 **Sylvia's** Handbook of plain and fancy needlework. Illus. (Useful handbooks.) Lond. 1881. Cr. 8vo, 2s 6d. \$1.00. Ri—Wb.
- 899 **Sylvia's** home needlework, with about 80 diagrams. (Sylvia's home help series.) Lond. 1881. Fcap. 8vo, bds. 1s. 50c. Ri—Wb.
- 900 **Sylvia.** The house and its furniture. Illus. (Sylvia's home help series.) Lond. 1881. Fcap. 8vo, bds. 1s. 50c. Ri—Wb.
- 901 **Sylvia.** How to dress on a shilling a day. (Sylvia's home help series.) Lond. 1881. Fcap. 8vo, bds. 1s. 50c., cloth 1s 6d. 65c. Ri—Wb.
- 902 **Sylvia's** illus. embroidery book: useful and ornam. designs. Lond. 1881. 12mo, 1s. 50c. Ri—Wb.
- 903 **Sylvia.** Lady's guide to home dressmaking and millinery. Illus. (Useful handbooks.) Lond. 1883. P. 8vo, 2s 6d. \$1.00. Ri—Wb.
- 904 **Sylvia.** Lady's lace book: new designs in point lace, renaissance work, etc. Lond. 1882. 12mo, 1s. 50c. Ri—Wb.
- 905 **Sylvia's** New designs in knitting, netting, and crochet. London 1881. 12mo, 1s. 50c. Ri—Wb.
- 906 **Sylvia's** The toilette: a ladies' guide to dress and beauty. Lond. 1881. 12mo, 1s. Ri—Wb.
- 907 **Symons, G. J.** Lightning rod conference: report of the delegates, etc. Lond. 1882. 8vo, 7s 6d. \$3.00. Mu—Sai.
- Syrup* and *Syrups* 207, 218, 741, 1137, 1360, 1400, 1514; see 123, 281a, 384*, 1175, 1203, 1401; see also Alkali—Baker—Confectionery—Grocery—Liqueurs—Liquors—Sugar—Sugar-boiling.
-
- 908 **T., N. T.** Bread-making. Illus. N. Y. 1884. 16mo, bds. 50c. Paa.
- Tables* 223; see also Furnishing Houses—Furniture.
- Table Decoration* 597; see also Ladies' Work—Needlework.
- 909 **Tadd, J. Lib.** Decorative oil painting. Ed. by C. G. Leland. Illus. N. Y. 1885. 4to, pap. 35c. AD.
- 910 **Tadd, J. L.** Modelling in clay and underglaze faience decoration. Ed. by C. G. Leland. Illus. N. Y. 1885. 4to, pap. 35c. AD.
- Tailoring*, see Buttons—Clothing—Costume Cutting—Dress—Fancy Costume—Men's Dress—Sewing—Sewing-Machines.
- Tallow*, see 384*; see also Butcher—Trade—Candles—Soap—Stearine.
- Tanning* 259, 761, 1481; see 281a, 864 parts 31, 32; 918 vols. 1, 2; 1007, 1346a, 1401, 1456a, 1506; see also Alum—Aniline—Calcium Compounds—Hides—Leather—Skins—Tawing.
- Tapestry* 206, 663, 1147, 1517; see 19 vol. 6; 384*, 1518; see also Paperhanging—Trimming Trades—Wallpainting—Wallpaper.
- 911 **Tapley, D. I.** Photographic amateur: series of lessons in famil. style. N. Y. 1882. 16mo, \$1.00. Gaa.
- 912 **Tapley, D. J.** Amateur photography: practical instructor. N. Y. 1884. 12mo, \$1.00. 50c. Gaa.
- Taps*, see Cooper.
- Tar*, see 384*; see also Paraffin.
- Tarts* 703, see 384*; see also Baker—Confectionery.
- Tatting* 1280, 1362a; see 384*; see also Carpets—Needlework.
- Tavernkeeper*, see Innkeeper.
- Tawing* 259; see also Hides—Leather—Skins—Tanning.
- Taxidermy* 62, 143a, 618, 636, 1125, 1520, 1521, 1583; see 1401, 1506.
- 913 **Taylor, P. M.** Tobacco: a farmer's crop. Lond. 1886. 12mo, 2s. Sal.
- Tea* 48, 74, 498, 582, 655a, 737, 767, 868, 914, 915, 975, 1185a, 1398, 1558; see 384*, 864 part 32; 1401; see also Chocolate—Cocoa—Coffee.
- Tea Blending* 29, 29a; see also Tea.
- 914 **Tea** Cyclopædia: blights, soils, and manures, etc., with statistics. Lond. 1882. Roy. 8vo, 28s. Waf.
- 915 **Tea** Planter's vademecum: articles, correspondence, etc. Lond. 1886. Roy. 8vo, 21s. Waf.

- Tea Plants*, see 918 vol. 1; see also *Tea*.
- 916 **Teale, T. P.** Domestic fireplace construction. Lond. 1886. 8vo, 1s. Co.
- 917 **Teale, T. P.** Economy of coal in house fires. Illus. Lond. 1883. 8vo, 2s 6d. Co.
- 918 **Technical Educator: an encyclopædia of technical education.** Vols. 1, 2. Lond. 1884. 4to. V. 3, 1885; v. 4, 1886. 5s ea. Cd.
- Techno-Chemical Receipt Book* 123.
- Technology, Chemical* 1554.
- Telescope* 671; see 19 vol. 6; see also *Optician*.
- 919 **Temple, J. A.** Buyer's order book. New ed. Lond. 1881. 12mo, 1s 6d. Ta.
- 920 **Ten Etchings: examples of the etched work of Masse, Cazanova, Rhead, Gravesend, etc.** N. Y. 1886. Folio, \$7.50. Do.
- Terra Cotta* 258, 675*, 1084; see 918 vol. 2; see also *China—Earthenware—Pottery*.
- Terra Cotta Painting* 165a, 789; see also *China Painting—Porcelain P.—Pottery Painting*.
- 921 **Terry, S. H.** How to keep a store: conclusions of more than 30 years experience in merchandizing. N. Y. 1882. 12mo, \$1.50. Fu—Wal.
- Textile Designs and T.—Painting* 81, 32, 737b, 1350, 1358; see 19 vol. 6; see *Designing Textile F.—Textile Fabrics*.
- Textile Fabrics* 33a, 34, 35, 66a, 69, 305, 344, 484, 529, 737b, 863, 921a, 921b, 1471, 1472; see 60a, 115, 123, 1093, 1199a, 1444a; see *Carding Yarns—Cotton—Designing Textile Fabrics—Jacquard Machine—Textile Designs—Weaving—Yarns*.
- 921a **Textile manufacturer's directory of the United States and Canada**, comprising woolen, carpet, felt, shoddy, wool, and felt hats, cotton, silk, mohair, jute, flax, linen, worsted, knit goods, mixed goods, trimming, thread, hemp, bagging, yarns, and twine manufacturers; also dealers and brokers in raw material, wool, cotton, silk, flax, hemp, jute and woolen rags, dry goods commission merchants and jobbers, city officers and agencies of manufacturing companies, dyers of woolen, cotton, silk and jute goods, bleachers, finishers and print works, for 1881—89. 9 vols. N. Y. 1880—88. \$5.00 ea. Tb.
- Textile Manufacturers*, see 60a, 170b, 921a, 921b.
- Textiles (Minor)*, see 1093.
- 921b **Textile report and directory for 1888—9.** 11th ed. Bost. 1888. 4to, clo. \$6.00. Dn.
- 922 **Thausing, J. E.** The theory and practice of the preparation of malt and the fabrication of beer, with especial reference to the Vienna process of brewing. Trans. by Wm. T. Brannt, ed. by A. Schwarz and A. H. Bauer. Illus. Phila. 1882. 8vo, \$10.00. 45s. Bb—Lab—Mu—Sai.
- Thermometer*, see 384*; see also *Barometers—Optician*.
- Thibet Goat*, see 918 vol. 1; see also *Angora—Mohair trades—Wool—Yarn*.
- 923 **Thomas, Jerry.** The bar-tenders' guide or how to mix all kinds of plain and fancy drinks. Enl. ed. N. Y. 1887. 18mo, pap. 50c, clo. 75c. Di.
- 924 **Thomas, J.** How to mix drinks. Containing recipes for mixing American, English, French, German, Italian, Spanish and Russian drinks—such as juleps, punches, cobbler, slings, cocktails, etc. Containing over 700 valuable recipes. N. Y. 1887. 12mo, clo. \$2.50. Di.
- Thomery System* 1200; see also *Grape Culture—Wine*.
- 925 **Thompson, F. B. and Ross J. W.** Universal decorator: guide to design for artists, manufacturers, and the public. Illus. 43 parts. Lond. 1885. 4to, ea. 1s. The same, cloth, gilt edges, £2. 10s. Hal.
- 926 **Thompson, Sir H.** Cremation: treatment of the body after death. 3d ed. Lond. 1884. 8vo, 1s. Sad.
- 927 **Thompson, W. Ph.** Handbook of patent law of all countries. 6th ed. rev. Lond. 1884. 12mo, 2s 6d. 60c. Sam—Va.
- 928 **Thomson, J. M.** Chemistry of pigments. 2 Cantor lectures. London 1885. 50c. Ru—Sae.
- 929 **Thomson, W.** Sizing of cotton goods and causes and prevention of mildew. Lond. 1884. 8vo, red. 10s. Bb—Hac.
- Thread Making* 1563; see 921a; see also *Cotton—Needlework—Sewing—Yarn*.

- 929a Thudichum, J. L. W.** On coca and cocaine: its history, description, cultivation and method of preparation, the use and abuse of coca; physiological experiments and therapeutic action. Lond. 1882. 8vo, pap. 1s. 40c. Ba—V.
- 930 Thurber, F. B.** Coffee, from plantation to cup: history of coffee production and consumption. N. Y. 1881. 8vo, \$2.00. Ai—Mu.
- 931 Thurber, G.** Silos and ensilage: preservation of fodder-corn and other green crops. N. Y. 1881. 12mo, 50c. Ju—Mu—Sai.
- 932 Thwaite, B. H.** Our factories, workshops and warehouses: their sanitary and fire-resisting arrangements. Lond. 1882. P. 8vo. 9s. \$3.50. Bl—Caa—Mu—Sai.
- 933 Tichborne, C. R. C. and James, P.** Mineral waters of Europe: artificial. Lond. 1888. 12mo, 3s 6d. Ba.
- Tiles* 258, 675*, 1198; see 384*, 918 vols. 2, 3; see also Art Tiles—Ceramics—Fire Bricks—Flooring Tiles.
- Tiles for floors*, see 258; see also Mosaic Work; Tile-decoration 1504; see also Ceramics.
- Timber* 107, 108, 158a, 288, 404, 413, 561, 675*, 779, 933a, 1122, 1283, 1322, 1324, 1365, 1368, 1466a, 1467, 1468; see 397a, 864 part 32; 875b, 918 vol 2; 1352a, 1401; see also Boxes—Conversion of T.—Dry Rot—Fuel—Hardwood T.—Lumber—Planing Mill—Saw Mills—Wood—Woodworking Machinery.
- 933a Timber** trades journal and wood trades directory (The). Containing classified lists of firms in England and Wales, Scotland and Ireland, engaged in the foreign, colonial and home timber, mahogany and hardwood trades, and the principal wood-consuming industries. Lond. 1888. Dem. 8vo, 7s 6d. Rm.
- Timekeepers*, see Watches.
- Tin* 1281; see 463a, 552, 1456a; see also Hardware—Metal-Trades—Metalworking—Zinc.
- Tinsmithing*, plating, and tinning 95, 162, 238, 650, 694; see 123, 966, 1381a, 1401, 1429*, 1559; see also Aluminium—Brass—Copperplate—Hardware—Metalplate—Metal Trade—Metalworking—Nickel—Sheet Iron W.—Sheet Metal Working—Zinc—Zincplating.
- Tinctures* 1400; see 123, 384*; see also Alkali—Bartenders' Guides—Patent Medicine—Toilet Articles.
- Tinware* 95; see 384*; see also Hardware.
- Tissue Printing* 243; see also Calico Printing—Dyeing—Printing Textile Fabrics.
- Tobacco* 528, 551, 586, 829, 840, 874, 913, 934, 935, 1096, 1186, 1202, 1449; see 123, 918 vol. 2; see also Cigars.
- 934 Tobacco** Culture: practical details, from the selection and preparation of the seed and the soil, to harvesting, curing, and marketing the crop. Rev. and enl. ed. Illus. N. Y. 1884. 8vo, pap. 25c. Ju.
- 935 Tobacco** Talk and smokers' gossip, miscellany of fact and anecdote. Lond. 1884. 18mo, 1s. 'The same, 1886. 18mo, 2s. Re—Si.
- 936 Todwalas' Calculator** for measurement of packages, etc. 2 vols. London 1881. Roy. 8vo, red. 21s. Su.
- 937 Toilecrosse**: coloured designs for toilecrosse; new fancy work. Nos. 1 and 2. Lond. 1886. 6d ea. Su.
- Toilecrosse* 937; see also Fancy Work—Ladies' Fancy Work—Needlework.
- Toilet Articles and Medicine* 906, 1035, 1500; see 1588a; see also Balsams—Cosmetics—Perfumes—Pomades—Soap—Tinctures—Tooth Powders.
- Tomatoes*, see 384*; see also Grocery.
- Tombs* 1537; see also Cemeteries.
- 938 Tomlin, J.** System of cutting: ladies' dress and jacket cutting, etc. Lond. 1886. P. 8vo, 5s. Su.
- Tonsorial Art*, see Hair—Hair Dyes—Razors—Setting Razors—Shaving.
- Tool Grinding*, see 1381a; see also Grinding—Saw Filing—Tools.
- Tools* 166a, 415; see 19 vol. 2; 1381a; see also Grinding—Hand Tools—Hardware—Woodworking Tools.
- Tooth-picks*, see 384*.
- Tooth-powders*, see 281a, 384*, 1346a; see also Toilet Articles.
- Torpedoes* 3; see also Explosives.
- Tow* 825, 826; see also Cordage—Flax—Hemp—Jute—Ropes.

- 939 **Townshend, J.** Catalogue of some books relating to the disposal of the bodies, and perpetuating the memories of the dead. N. Y. 1887. 8vo, Tm.
(For private distribution.)
Toys 550, 600, 1077; see also Willowware—Wood—Wood Trades.
Tradesman's Guide 436; see also Buying—Selling—Storekeeping.
Trade-marks 37, 109, 143b, 145, 152, 233, 253, 448, 489, 513, 555, 661, 699, 706a, 754a, 972, 1100, 1163; see 918 vol. 4; see also Inventions—Labels—Merchandise M. A.—Patents.
Trade Products 1493; see Grocery and under the respective headings.
Trades 368b; see also Manufacturing—Mexican Trade.
Trades, see Remunerative Trades.
Trade Secrets 17a, 717, 1134; see 1401; see also Tradesman's Guide—Workshop Receipts.
- 940 **Tremaine, B.** Washing and cleaning: manual for domestic use. Lond. 1881. 18mo, 1s. We.
- 941 **Treves, F.** Dress of the period, in its relations to health, a lecture. Lond. 1882. 8vo, 1s. Ag.
Tricycle 522, 861; see 19 vol. 2; see also Bicycle—Velocipedes.
Trimming Trades, see 921a; see also Awnings—Carpets—Carriage—Curtains—Draperies—Tapestry—Upholstery—Wallpaper—Window Dressing.
- 942 **Tucker, J. H.** Manual of sugar analysis, including the applications in general of analytical methods to the sugar industry, with an introduction on the chemistry of cane sugar, dextrose, levulose. 2d ed. N. Y. 1883. 8vo, \$3.50. Bb—Mu—Sai—Va.
Tuning Instruments 1480; see also Musical Instruments.
Tuning, Pianoforte 45, 482, 1480; see also Musical Instruments — Tuning Musical Instrum.
- Turkish Baths* 220; see 384*.
Turning 389, 431, 432, 434, 600a, 679, 1142, 1366, 1382, 1421, 1539, 1540; see 19 vol. 4; 123, 166a, 865b, 918 vols. 2, 4; 1381a, 1401; see also Benchwork—Horn—Lathe—Metalspinning.
- 942a **Twenty** American etchings: series of original etchings by Smillie, Moran, Parrish, Garret, and others; with descriptive text by S. R. Koehler. Troy 1888. Folio \$15.00. Ni.
Twine Trade, see 921a; see also Cordage—Ropes.
Type-Founding 771; see 19 vol. 4; 1401; see also Electrotyping—Letter-Foundries—Printing—Printing-Types—Metallic Alloys—Stereotyping.
Type-Setting 424; see also Printing.
Typography, see Printing.
-
- Undertaker*, see Sepulture.
- 943 **Universal** Guide to decorative art, embroidery: church work, etc. London 1882. 4to, 1s. Kc.
- 944 **Universal** instructor; or self culture for all. Vols. 1, 2. Lond. 1882. Roy. 8vo, 7s 6d. \$3.50 each. Ri—Wb.
- 945 **Unwin, W. C.** Exercises in wood-working for handicraft classes in elementary and technical schools. 28 plates. Lond. 1887. Fcp. folio in case, 4s 6d. \$1.50. Lw.
Upholstery 464a, 716, 746, 877, 883, 946, 1149, 1210; see 19 vol. 6; 384*, 865b, 1227; see also Furniture—Padding.
Upholstery Trades 170b; see also Trimming Trades.
- 946 **Upholsterers'** pattern book, containing original and selected designs. 1st series. Lond. 1885. Folio, 10s 6d. Way.
- 946a **Upton, H. M.** Profitable dairy farming. Lond. 1888. P. 8vo, 2s. Lab.
- 947 **Urn** burial. N. Y. 1882. 12mo, pap. 10c. Nc.
Urn Burial 947, 1126; see also Cremation—Sepulture.
- 948 **Urquhart, J. W.** Electroplating: practical handbook. Lond. 1880. The same, 2d rev. ed. with additions. Lond. 1888. P. 8vo, 5s. \$2.00 each. Lp—Mu—Sai—Va.
- 949 **Urquhart, J. W.** Electrotyping: practical manual on the reproduction and multiplication of printing surfaces and works of art by the electro-deposition of metals. Lond. 1881. Cr. 8vo, 5s. \$2.00. Lp—Mu—Sai—Va.

- 950 **Urquhart, J. W.** Sewing machinery. Being a practical manual of the sewing machine. Illus. (Weale's series.) London 1880. 12mo, 2s. 80c.
Lp—Va.
Use of Coal in Industry 988; see also Industries.
Use of Iron in Industry 989; see also Industries.
Useful Arts, see Arts, Useful—Needlework.
- 951 **Useful grains**: barley, maize, oats, rye, buckwheat, rice, etc. w. col. diagrams. Lond. 1883. 10s. Jo.
Utilization of waste materials 467; see 19 vol. 4; 123; see also Rag Dealers.
-
- 952 **Vago, A. L.** Instructions in the art of modelling in clay, with appendix on modelling foliage, etc., by B. Pitman. Cinc. 1880. 12mo, \$1.00.
Caa—Cag—Wal.
- 952a **Vaile, Chas. A.** Galvanized iron cornice workers' manual. Illus. Phila. 1884. 4to, \$5.00. Bb—Cag—Mu.
- 952b **Van der Burg, A. R. and P.** Wood and marbles, imitations of. Illus. Lond. 1886. Roy. fol. £2. 12. 6. Lp—Mu.
- 953 **Van Rensselaer, Mrs. Schuyler.** American etchers: reprinted from the Century magazine, with an account of Meryon and his work, by F. Keppel. Illus. N. Y. 1886. 8vo, pap. 20c. Kd.
Varnishes and Varnishing 22, 122, 169, 362, 370, 371, 480, 675*, 692, 1048, 1384, 1592; see 95, 123, 216, 281a, 371a, 384*, 464a, 864 part 32; 865b, 877, 1007, 1136, 1346a, 1506; see also Alum—Driers—Drying—French Polishing—Furniture—Graining—Japanning—Lacquers—Oils—Painting—Paints—Paraffin—Polishes—Siccatives—Veneers.
Vases 1191; see also China—Earthenware—Porcelain—Pottery.
Vegetable Commercial Products, see 918 vols. 1, 2; see also Commercial Products—Grocery—Preserving.
Velocipedes, see 19 vols. 1, 3, 4; see also Bicycles—Tricycles.
Velvet, see 384*.
Veneers and Veneering, see 19 vol. 1; 877, 1007, 1111, 1506; see also Gelatine—Graining—Lacquers—Painting—Polishes—Varnishes.
- 954 **Vernon, S. M.** Prohibition of the liquor traffic. Phila. 1888. 16mo, pap. 30c. Za.
- 955 **Vetter, F. J.** Art of practical cutting for self-teaching, with plates. Lond. 1887. 12mo, 8s. Su.
- 956 **Vetter, P. J.** Disproportion and deformity: No. 8 of "Cutting, self-teaching." Lond. 1884. 8vo, 1s 6d. Su.
- 957 **Vetter, P. J.** Juvenile cutter, being No. 7 of the "Art for self-teaching." Lond. 1884. 8vo, 1s 6d. Su.
- 958 **Vetter, P. J.** Ladies' cutter: being No. 6 of the "Art of practical cutting." 2 parts. Lond. 1884. 8vo, 1s 6d. Su.
- 959 **Vetter, P. J.** Trousers' cutter, being N. 5 of the "Art of practic. cutting." Lond. 1884. 8vo, 1s 6d. Su.
- 960 **Vetter, P. J.** Vest cutter, No. 4, "Art of prac. cutting", etc. Lond. 1884. 8vo, 1s 6d. Su.
Victualler, see Grocery.
- 961 **Vilas, C. H.** Spectacles, and how to choose them: elementary monograph. Chic. 1882. 12mo, \$1.00. Dv.
- 962 **Ville, G.** On artificial manures: chemical selection and scientific application to agriculture. Trans. by W. Crookes. With plates. Lond. 1882. 8vo, 21s. \$6.00. Bb—Ju—Lw—Mu—Va.
Vinegar 371b, 1205, 1229, 1360; see 123, 281a, 384*, 1175, 1346a, 1401; see also Grocery.
Violin-Making 17, 423, 1316; see 19 vols. 1, 2, 3; see also Bows—Musical Instruments.
Violin (Dumb) Making, see 19 vol. 4; see also Violin.
Violoncello, see 19 vol. 6; see also Musical Instruments.
- 963 **Vizetelly, H.** Facts about Port and Madeira; with notices of wines vintaged about Lisbon, and the wines of Teneriffe. Lond. 1880. P. 8vo, pap. 1s 6d. 60c; clo. 2s 6d. \$1.00. Si—Vi—Wb.
- 964 **Vizetelly, H.** History of champagne, with notes on other sparkling wines of France. Illus. Lond. 1882. 4to, 12s; 15s. \$6.00. Sag—Si—Vi.
- 964a **Vogdes, F. W.** Architects' and builders' pocket companion and price

- book, with tables of U. S. measures, sizes, weights, strength, etc. of iron, wood, stone, brick, cement and concretes, quantities of materials in given sizes and dimensions of wood, brick and stone; also full and complete bills of prices for carpenters' work and painting. Also rules for computing and valuing brick and brickwork, stonework, painting, plastering, with vocabulary of technical terms. Enl. and corr. Phila. 1888. Obl. 64mo, \$1.50 and \$2.00. Bb—Cag—Mu.
- 964b **Vogel, H.** The chemistry of light and photography in their application to art, science and industry. 5th ed. Illus. Lond. 1888. P. 8vo, 5s. \$2.00. Mu—Pe—Tu.
- Vulcanizing*, see 467; see also Caoutchouc—Gutta-percha.
- 965 **Wagner, L. von.** Practical treatise on the manufacture of starch glucose, starch sugar and dextrine. Phila. 1881. 8vo, \$3.50. Bb—Va.
- 965a **Wagner, P.** The increase in the produce of the soil through the rational use of nitrogenous manure. Trans. by G. G. Henderson. W. pl. Lond. 1888. Demy 8vo, pap. 2s. Wae.
- Wagon Painter*, see Carriage.
- 966 **Wahl, Wm. H.** Galvanoplastic manipulations: practical guide for the gold and silver electroplater and the galvanoplastic operator. Illus. Phila. 1884. 8vo, \$7.50. 35s. Bb—Hm—Lab—Mu—Sai.
- 967 **Waite, M.** Needlework designs for cutting-out. Lond. 1887. 4to, 2s. Gah.
- 968 **Walker, A. H.** Text-book of the patent laws of the U. S. of America. N. Y. 1883. 8vo, shp. \$6.50. Sar.
- 969 **Walker, F.** Brickwork: a practical treatise on the principles of bricklaying, etc. Illus. Lond. 1884. 1s 6d. 60c. Caa—Lp—Mu.
- 970 **Walker, G.** Costume of Yorkshire, illus. by 40 engravings. Lond. 1885. Folio, 84s. J.
- Walking Sticks*, see 19 vol. 2.
- 971 **Wallace, E., Jr.** Amateur photographer. Phila. (1884). 18mo, \$1.00. Mu—Pk.
- 972 **Wallace, R. W.** Patents, designs and trade marks' act, 1883, with notes, etc. Lond. 1884. P. 8vo, 8s. Mg.
- Wall Painting and W.-Decoration* 507, 1358; see 1199a; see also Beautifying—Decorative Painting—Mural Painting—Painting—Paperhanging—Tapestry.
- Wall Paper*, see 1100a, 1294b; see also Beautifying—Furnishing H.—Paperhanging—Tapestry.
- 973 **Walmsley, H. E.** Cotton spinning and weaving: practical treatise. Lond. 1883. 8vo, 5s. The same, 2d ed. 1885. 8vo, 10s 6d. \$5.00. Bb—Su.
- 974 **Walsh, J. H.** Modern sportsman's gun, rifle and revolvers. 2 vols. Lond. 1882, 1884. 8vo, 15s each. Cam.
- 975 **Walsh, J. M.** A cup of tea: history of the plant from its discovery to the present time; also Sanders, W. On tea culture, a probable American industry. Phila. 1884. 16mo, \$1.00. Wa.
- 975a **Wandell, S. H.** The law of inns, hotels, and boarding houses, a treatise upon the relation of host and guest. Rochester, N. Y. 1888. 8vo, shp. \$3.50. Wai.
- 976 **Wanklyn, J. A. and Cooper, W. J.** Bread analysis. New ed. Lond. 1886. P. 8vo, 5s. \$2.00. Tr—Va.
- 977 **Wanklyn, J. A.** Milk analysis. 2d ed. Lond. 1886. P. 8vo, 5s. \$2.00. Mu—Tr—Va.
- 978 **Ward, E.** The Dress reform problem: a chapter for women. Lond. 1886. P. 8vo, 1s. Hb.
- 978a **Wardle, Th.** Silk: its entomology, history and manufacture as exemplified at the Roy. Jub. exhibition, Manchester 1887. Illus. Lond. 1888. Demy. 8vo, net 5s. \$2.00. Hac—Mu.
- 979 **Ware, A.** Scientific industries explained. Vol. 2. Lond. 1882. P. 8vo, 2s 6d. Jo.
- 980 **Ware, L. S.** The sugar beet: including a history of the beet sugar industry in Europe, etc. Illus. Phila. 1880. 8vo, \$4.00. Bb—Mu—Va.
- 981 **Ware, L. S.** Various sources of sugar: sugar cane, sorghum, sugar beet. Phila. 1882. 8vo, pap. 50c. Bb.
- Warehouses* 932; see also Boxes—Casemaking—Packages—Packing—Storing Goods.
- Warming Buildings*, see Steam-Fitting.

- Warp Sizing* 1566; see 133a; see also Cotton—Wool Sizing—Woolen Manufacture—Yarn.
- 982 **Warrington, R.** The chemistry of the farm. Lond. 1881. Cr. 8vo. 2s 6d. The same. N. Y. 1882. 12mo, \$1.00. Bag—Ju—Mu.
- Washing* 344a, 940, 1087; see 123, 384*, 1007, 1506; see also Bleaching—Cleaning—Cleansing—Cloth lines—Dyeing—Dyes—Indigo—Ironing—Printing—Scouring—Soda—Soap—Washing.
- Washing-Machinery*, see Cutting Machinery.
- Waste* and Offal, see Utilization.
- Watch cases* 405b.
- Watches and Clocks* 132, 383, 433, 782, 811, 811a, 823a, 1081, 1112, 1121, 1167, 1190, 1338, 1410, 1460, 1511, 1561; see 918 vols. 1, 4; see also Horology.
- Watch Repairing* 823a, 1112, 1352, 1560a; see 588; see also Watches.
- Water-closets* 139; see 384*; see also Closets—Plumbing.
- Water*, Filtration of, see Filters.
- Water Glass*, see 123.
- Water-proofing* 467; see 123, 281a, 384*, 588, 1401, 1506; see also Caoutchouc—Guttapercha—India Rubber—Rubber.
- 983 **Watson, J.** Theory and practice of weaving by hand and power. 3d ed. Lond. 1887. 8vo, 12s 6d. \$5.00. Bb—Su—Va.
- 984 **Watt, A.** The art of soap-making: practical handbook of the manufacture of hard and soft soaps, toilet soaps, etc., with chapter on the recovery of glycerine from waste lyes. Lond. 1884. P. 8vo, 9s. The same, 3d ed. Illus. Lond. 1887. P. 8vo, 7s 6d. \$3.00. Bb—Lp—Mu.
- 985 **Watt, A.** Electro-deposition: practical treatise on the electrolysis of gold, silver, copper, nickel, and other metals, with descrip. of voltaic batteries, magneto and dynamo-electric machines, thermopiles, and of the materials and processes used in every department of the art, and several chapters on electro-metallurgy. Illus. N. Y. 1886. 8vo, \$5.00. Mu—Va.
- 986 **Watt, A.** Electro-metallurgy practically treated, including the most recent processes. 8th ed. enl. Lond. 1883. 12mo, 3s 6d. Lp—Mu.
- 987 **Watt, A.** The history of a lump of chalk: its family circle and uses. Lond. 1883. 12mo, 1s. Jo.
- 988 **Watt, A.** History of a lump of coal from pit's mouth to a bonnet ribbon. Lond. 1882. P. 8vo, 1s. Jo.
- 989 **Watt, A.** History of a lump of iron, from mine to the magnet. Lond. 1884. P. 8vo, 1s. Jo.
- 990 **Watt, A.** Leather manufacture. Lond. 1884. P. 8vo, 12s 6d. The same, 2d ed. 1887. P. 8vo, 9s. Lp—Mu.
- Wax and Wax Preparation*, see 120, 123, 384*, 1007; see also Hydrocarbon—Paraffin—Peat—Sealing Wax.
- Wax Flowers* 1201; see also Flowers—Paper Flowers.
- Weapons* 321, 1072, 1359; see 918 vols. 1, 2, 4; see also Arms—Bronze-Implement—Gun—Sword.
- Weaving* 33, 33a, 35, 56, 137, 540, 737b, 863, 973, 983, 1068, 1069, 1152, 1253, 1264, 1363, 1364, 1386, 1405, 1414; see 133a, 1100a; see also Cotton—Cotton Spinning—Jacquard Machine—Linen—Loom-Fixing—Power in Loom—Wool—Yarn.
- 991 **Wedmore, F.** Four masters of etching, Seymour, Haden, etc. Lond. 1883. 4to, 31s 6d and 21s. Fi.
- 991a **Weeks, J. D.** Report on the manufacture of glass. (N. Y.) 1883. 4to, pap. \$1.50, clo. \$2.00. Wal.
- 991b **Weeks, Jos. D.** Report on the manufacture of coke. Illus. N. Y. 1885. Sq. 8vo, \$2.00, pap. \$1.50. Wal.
- Weights and Weighing* 516a, 1156; see also Balance Spring.
- A full list will be found in part 3.
- 992 **Weldon's** Fancy costumes. Containing complete directions for making up more than fifty fancy costumes, suitable for fancy-dress balls and tableaux vivants; including full details as to colors, arrangement, and the style and quantity of all the materials needed for making them. Illus. N. Y. 1887. 18mo., pap. 50c. Di.
- 993 **Weldon's** Pictorial needlework. Vol. 2. Lond. 1887. 4to, 2s 6d. Wo.
- 994 **Weldon's** Practical fancy dress for children. Attractive costumes for boys and girls for fancy and callico balls, with full details as to colours, materials, etc. Illus. Lond. 1888. 12mo, pap. 1s. Wo.

- 995 **Weldons'** Practical fancy dress: suggestions for fancy and calico balls, etc. Lond. 1887, 12mo, 1s. Wo.
- 995a **Weldons'** Practical shilling guide to fancy work, knitting, stocking knitting, crewel work, applique work, etc. Lond. 1888. Roy. 8vo, 1s. Wo.
- 996 **Welford, W. D.** Photographers' handbook of apparatus, etc. Lond. 1887. 8vo, 2s 6d. \$1.00. I—Mu.
- 996a **Welford, W. D.** and Sturme, H. The indispensable handbook to the optical lanterns, slides and accessory apparatus. Illus. Lond. 1888, 8vo, pap. 2s 6d. I.
- 997 **Wells, H. P.** Fly-rods and fly-tackle: suggestions as to their manufacture and use. Illus. N. Y. 1885. P. 8vo, \$2.50. Fr—Hd.
- 997a **Wells, R.** The bread and biscuit bakers' and sugar boilers' assistant, including a large variety of modern receipts for bread, tea-cakes, biscuits, ice-cream, chocolate, etc., with chapters on breadmaking and chemistry as applied to bread-making. Lond. 1888. Cr. 8vo, 2s. Lp.
- Wells, Well-sinking and Boring 836, 866, 886a, see 865a part 18; see also Artesian Well—Pumps.*
A full list will be found in part 3.
- 997b **Wenzel, O., ed.** Directory and list of products of the chemical industries of the German empire. Lond. 1888. Demy 8vo, 25s. Lab.
- 998 **Westropp, H. M.** Handbook of pottery and porcelain; or, history of those arts from the earliest period. Illus. Lond. 1880. Cr. 8vo, limp cloth 4s 6d. \$2.00. Ci—Was.
- Wheat 251, 360a, 384a, 506; see 384*; see also Baker—Cereals—Grains.*
- 999 **Wheatley, H. B.** and Delamotte, P. H. Art workmanship in gold and silver. Lond. 1881. 8vo, 2s 6d. The same, Lond. 1883. 8vo, 2s 6d. \$1.00. Lab—Si.
- 1000 **Wheatley, H. B.** Decorative art in gold, silver, etc. Lond. 1884. Roy. 8vo, 10s 6d. Lab.
- 1001 **Wheatley, H. B.** and Delamotte, P. H. Art workmanship in earthenware. Lond. 1881. 8vo, 2s 6d. \$1.00. Lab—Si.
- 1002 **Wheatley, H. B.** and Delamotte, P. H. Art-work in porcelain: chinese, Japanese, Italian, German, French and English. Lond. 1883. La. 8vo, 2s 6d. \$1.00. Lab—Si.
- 1003 **Wheeler, O. E.** Practical photography for amateurs, etc. Illus. Lond. 1881. P. 8vo, 4s. Bk.
- Wheels 1143; see also Axles—Carriage Building.*
A full list on this subject will be found in part 3.
- 1004 **Whelpley, G. F.** Practical instruction in the art of letter engraving. Relating to the knowledge of several alphabets, the formation of cyphers, monograms, etc. N. Y. 1885. 12mo, \$2.00. Mu—Wag.
- Whips, see 384*; see also Harness—Saddlery.*
Whiskey 1208; see 123, 384; see also Alcohol—Bartenders' G.—Gin—Liquor—Rum.*
- 1005 **Whiteford, S. T.** A guide to porcelain painting. 5th ed. Lond. 1885. 12mo, 1s. Ra—Va.
- 1006 **Whitehead, J.** The American pastry cook: book of perfected receipts, for making all sorts of articles required of the hotel pastry cook, baker and confectioner. 4th ed. Chic. 1887. 4to, \$2.00. Wac.
- 1007 **Whitehill, J. C.** Encyclopædia of 25,000 practical receipts. Phila. 1887. Roy. 8vo, \$4.50. Cao.
- White Lead 763a; see 384*; see also Paints.*
Whitewashing 480; see 281a, 384, 865b, 1007, 1346a, 1506; see also Calsomining—Kiln—Lime—Limestones.*
- 1007a **Whitman, Ed. A.** Flax culture: an outline of the history and present condition of the flax industry in the U. S., and a consideration of the influence exerted on it by legislation, with introd. by J. R. Leeson. Bost. 1888. 8vo, \$1.00. Ra.
- 1008 **Whitman, Mrs. Sarah W.** The making of pictures: twelve short talks with young people. Chic. 1886. 16mo, 60c. Ir.
- 1009 **Whittaker, C.** Woodworking tools: how to use them. Illus. Bost. 1881. 12mo, 50c. Gu—Haa.
- 1009a **Wholesale (The) grocer's directory and producers' handy reference book.** Chic. 1888. Leatherette, \$1.00. Nu.

- 1010 **Why** and wherefore in making good butter, remarks on milk, etc. Lond. 1884. 12mo, 1s. Way.
- 1011 **Wickes, S.** Sepulture: its history, methods and sanitary requisites. Phila. 1883. 12mo, \$1.50. Bac.
- 1012 **Wicks, M.** Organ building for amateurs: practical guide. Lond. 1887. P. 8vo, 3s 6d. \$1.50. Mu—Wb.
Wicks, see 242; see also *Lamps*.
- 1013 **Wiksstroem, B. A.** True story about Gutenberg's invention of printing. 8 litho. N. Y. 1883. fol. pap. 50c. Ne.
- 1014 **Wilkie, F. B.** The great inventions: their history from the earliest period to the present, their influence on civilization; with lives of the principal inventors, their labors, etc. Illus. Phila. and Chic. 1884. Clo. \$3.75, leather \$4.50, $\frac{1}{2}$ mor. \$5.50. Rav.
- 1015 **Wilkins, T.** How to apply for a British patent under patents act, 1883. Lond. 1884. 8vo, 5s. Eb—Gd.
- 1015a **Wilkinson, W. T.** (anon.) Photo-engraving, photo-etching, photo-lithography. Complete instructions and formulae, combined with contributions and trans. from the French and German. 3d ed. Illus. N. Y. 1888. 8vo, \$3.00. Mu—Wan.
 A new ed. is to appear in 1889.
- 1016 **Williams, C. W.** Fuel: its combustion and economy. With extensive additions on recent practice in the combustion and economy of fuel, coal, coke, wood, peat, petroleum, etc., by D. Kinnear Clark. 3d ed. rev. Lond. 1886. 12mo, 4s. \$1.50. Lp—Mu.
- 1017 **Williams, H. L.** Indus. index to London, showing where to go for work. Lond. 1881. 18mo, 1d. L.
- 1018 **Williams, H. T.** and Jones, C. S. Household elegancies. N. Y. (1880). 8vo, \$1.50. Ab—Ad.
- 1019 **Williams, R. E.** Cremation and other modes of sepulture. Phila. 1884. 12mo, 75c. Li.
- 1019a **Williams, R. V.** The Mexican trade directory and how to obtain Mexican trade. N. Y. 1888. 12mo, pap. \$2.00, cloth \$2.50. Mi.
Willowware 363; see also *Furniture*—Household Conveniences—Toys—Wood—Woodtrades.
- 1020 **Wills, G. H.** Inventory of household furniture. Lond. 1885. 12mo, 1s. Su.
- 1020a **Wilson, Edw. L.** Photographics: lessons accompanied by notes on all the processes which are needful in the art of photography. Chautauqua ed. Illus. N. Y. 1881. 8vo, \$4.00. Mu—Va—Wan.
- 1021 **Wilson, Edw. L.** Quarter century in photography: collection of hints on practical photography, which forms a complete text-book of the art. N. Y. 1887. 8vo, \$4.00. Mu—Wan.
- 1022 **Wilson, F. J. F.** Stereotyping and electrotyping: guide for the production of plates by the papier-mâché and plaster processes, etc. 3d ed. Illus. Lond. 1886. 12mo, 5s. \$2.00. Mu—Sai—Va—Way.
- 1023 **Wilson, F. J. F.** Typographic printing machines and machine printing. 4th ed. Lond. 1886. P. 8vo, 5s. Way.
- 1023a **Wilson, F. J. F.,** and Grey, D. Practical treatise upon modern printing machinery and letterpress printing. Illus. Lond. 1888. Roy. 8vo, 21s. Cd.
- 1024 **Wilson, R.** Common sense for gas users. 2d ed. Lond. 1887. P. 8vo, 1s. Lp.
Window Dressing 399; see also *Curtains*—*Draperies*—*Trimming Trades*.
Wine and *Wine-making* 60, 348, 372, 490, 491, 531, 575, 710, 785, 843, 963, 964, 1113, 1157, 1200, 1229, 1248, 1265, 1305, 1334, 1379, 1400, 1406, 1433, 1453, 1455, 1476, 1478, 1529, 1548, 1549, 1551; see 123, 281a, 384*, 619a, 864 parts 6, 7; 1346a; see also *Bordeaux W.*—*Champagne*—*Cider*—*Claret*—*Distillation*—*Fermentation*—*Grape Culture*—*Liquors*—*Madeira*—*Sherry*—*Thomery System*.
Wine Bin 575; *Wine Cellar* 785, see 384*; *Winepress* 785.
- 1025 **Winks, W. E.** Lives of illustrious shoemakers. Lond. 1882. Cr. 8vo, 7s 6d. The same. N. Y. 1883. 12mo, 25c. Fac—Fad—Lab.
- 1025a **Winton, J. G.** Modern workshop practice. 4th enl. and rev. ed. Lond. 1888. 12mo, 3s 6d. Lp.
Wire, see *Bird Cages*—*Hardware*.

- 1026 **Wisser, J. P.** Modern gun-cotton; its manufacture, properties, and analysis. N. Y. 1886. 24mo, bds. 50c. Va—Wal.
- 1027 **Witham, W.** Practical cotton spinner. Lond. 1886. P. 8vo, 2s. Bb—Su.
Women, Employment and Work of, 814a, 395, 420, 492, 824, 1033; see also Ladies' Work—Needlework—Workwoman.
- 1028 **Wood, H. T.** Modern methods of illustrating books. N. Y. 1887. 12mo, \$1.25. AA.
- 1029 **Wood, J. G.** Man and his handiwork. With 500 illus. S. P. C. K. Lond. 1886. P. 8vo, 10s 6d. Sa*.
Wood 404, 1016, 1122, 1230, 1464, 1467; see 384*, 964a; see also Benchwork—Conversion—Fuel—Furniture—Hardwood T.—Mahogany T.—Imitation of W.—Lathe—Planing M.—Plants—Preserving—Saw Mills—Timber—Toothpicks—Toys—Turning—Willowware.
- 1030 **Woodberry, G. E.** History of wood engraving. Illus. Lond. 1882. Roy. 8vo, 18s. The same, 1883. Sq. 8vo, \$3.50. Hd—Lab—Wal.
- 1031 **Woodbury, C. J. H.** The fire protection of mills and construction of mill floors. Containing tests of full size wood mill columns. 2d ed. N. Y. 1882. 8vo, \$2.50. Bb—Mu—Wag.
Wood Carving 76, 381, 567, 571, 649, 785, 823, 1333a; see 19 vols. 1, 2, 3, 4, 5, 6; 1401; see also Art Furniture—Benchwork—Carving Wood, etc.—Furniture.
Woodbury Tissue (being a substitute for glass in photography), see 19 vols. 5, 6.
Wood Conversion, see Conversion.
Wood Cutting 222; see also Engraving—Wood Engraving.
Wood Engraving 142, 186, 311, 314, 541, 580, 581, 581a, 631, 1030, 1060, 1249, 1259, 1374; see 1401; see also Alphabets—Crésts—Engraving—Lettering—Monograms—Ornament—Scrolls.
Wood Trades, see 933a; see also Toys—Willowware.
Wood Working 945, 1252, 1439, 1440, 1441, 1463; see also Benchwork—Fret-cutting—Furniture—Planing Mill—Saw Mills.
Woodworking Machinery 53a, 776, 1070; see 19 vols. 1, 2; 1401, 1505a parts 96, 97; see also Conversion of Timber.
Wood-working Tools 1009, 1588; see 19 vols. 4, 5; see also Tools.
Wool and Woolens 102, 428, 438, 742, 1053, 1309, 1371; see 60a, 384*, 808a, 864 parts 32, 33; 918 vols. 1, 4; 1318, 1345, 1363, 1380, 1499, 1519, 1555; see also Alpaca—Angora—Blankets—Carding—Cloth—Hosiery—Merino—Stockings—Thibet—Weaving—Yarn.
Wool-carding 115, 141; see 236; Wool-dressing, see 123.
Wool dealers, see 921a.
Wool Fibre 111, 112; see also Fibres.
Wool Flowers 201b; see also Flowers, artif.
Wool-sizing, see 123; see also Warp sizing.
Wool Work 374; see also Hosiery—Needlework.
Woolen Cloths 1062, 1069, 1078, 1363; see 918 vol. 4; see also Cloth.
Woolen Industrv 36; see 60a; see also Industries—Manufacturing—Wool—Woolen Manuf.
Woolen Manufacture 36, 66a, 402a, 428, 610, 649a, 1093, 1160, 1555; see 60a, 170b, 921a, 1401; see also Manufacturing—Warp sizing—Wool—Yarn.
- 1032 **Woolnough, C. W.** The art of marbling, as applied to paper, book edges and other fabrics. Illus. Lond. 1881. P. 8vo, 10s 6d. Bm.
- 1033 **Work** and how to do it: Prac. guide to girls in choice of employment. Lond. 1884. 32mo, 2s 6d. Ho.
Work, where to go for, in London 1017.
Works manager, see Foreman.
- 1034 **Working** in sheet metal, by the author of "Turning for Amateurs". Illus. Lond. 1882. P. 8vo, 6d. Go.
Workshops 327, 642, 718, 832, 932, 1025a; see also Factory.
Workshop Appliances 832; Workshop Receipts 402, 587, 588, 1506.
- 1034a **Workman's (A)** experience at the exposition, Jan. 1885. Illus. New Orleans 1885. 8vo, pap, 10c. Ek.
Workwoman 131; see also Women.
Worsted and Worsted cloth 66a, 610, 649a, 1078, 1160, 1318, 1371, 1519, 1555; see 384*, 918 vol. 4; 921a, 1093; see also Cloth—Yarn.

- 1035 **Wright, C. R. A.** Manufacture of toilet soap. 3 Cantor lectures. Lond. 1885. 50c. Ru—Sae.
- 1036 **Wright, J.** Mushrooms for the million. Illus. with suppl. 4th ed. Lond. 1886. P. 8vo, 1s. Jr.
- 1037 **Wyles, B.** Instructions for beginners in photography, by J. H. Stone. Lond. 1886. P. 8vo, 1s. Sb.
- 1037a **Wymans'** Bibliography of printing, ed. by E. Bigmore and Ch. Wyman. 3 vols. Illus. Lond. 1880-86. Sm. 4to, £6. 6s. Q—Way.
-
- Yarn* 649a, 1066, 1309, 1386, 1371, 1519, 1555; see 921a; see also Angora—Carding Yarns—Cotton Yarn—Hosiery—Merino—Needlework—Stockings—Thibet—Thread-making—Warp sizing—Weaving Wool—Worsted.
- 1038 **Year** Book of photography and photographic news almanac, 1882, '83, '85. Lond. 1882, '85. 12mo, 1s. each. Pb.
- 1038a **Year** Book of photography and photographic news almanack for 1889. Lond. 1888. 12mo, pap. 1s. Ph.
- Yeast* 686, 1449; see 123, 384*; see also Baker—Grocery.
- 1039 **Young ladies'** journal: complete guide to the work table. Lond. 1884. 8vo, 1s 6d. He.
- 1040 **Young ladies'** treasure book of in- and outdoor occupations. Lond. 1884. Roy. 8vo, 7s 6d. Wb.
-
- 1041 **Zaehnsdorf, J. W.** The art of bookbinding. Illus. Lond. 1880. 8vo, 10s 6d. \$4.25. Bm—Si—Va.
- Zinc* 1281, 1559; see 384*, 552, 918 vol. 3; 1429*, 1456a, 1505a parts 96, 97; see also Tin—Tinsmithing.
- Zincography* 98; see 781; see also Engraving—Etching—Illustrating Books.
- Zinc-plating* 650; see also Copperplate—Galvanizing—Metalplating—Nickel—Tinsmithing.
- 1042 **Zundel, A.** The horses' foot and its diseases. Trans. from the French by A. Liantard. Illus. N. Y. 1884. 8vo, \$1.50. Jc.



APPENDIX:

Select List of books printed before 1880 and still kept on publishers' or jobbers' lists.

- 1043 **Abney, W. de W.** Treatise on photography. N. Y. (1877.) 25c. Mb.
- 1044 **Abney, W.** Treatise on photography. Illus. T. o. S. Lond. and N. Y. (1878). Fcap. 8vo. \$1.50. Ap—Lw—Va.
- 1045 **Aitken, W. C.** Guns, nails, locks, wood screws, railway bolts, and spikes, buttons, pins, needles, saddlery, electroplate. B. B. M. J. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1045a **Album** of decoration and ornament. 45 pl. from the art worker. N. Y. n. d. Portfolio \$6.00, red. \$3.00. Cag—Oa.
- 1046 **Album** of modern furniture. 55 plates, 11½x14½, on furniture and house decoration. N. Y. n. d. Portfolio, \$7.00, red. \$3.00. Cag—Oa—Wal.
- 1047 **Alphabets** for draughtsmen. 12 loose sheets. N. Y. n. d. Portfolio, 75c. Cag.
- 1048 **Amateur painter:** painting, varnishing, gilding. N. Y. n. d. 16mo, pap. 25c. Caa—Hu.
- 1049 **American bar-tender;** or art of mixing drinks. N. Y. (1874). 16mo, pap. 25c. Hu.
- 1050 **American bar-tender;** or the art and mystery of mixing drinks. N. Y. n. d. 16mo, pap. 50c. T.
- 1051 **Ames' alphabets:** for architects, engravers, sign painters, etc. Col. pl. N. Y. (1879). Obl. 8vo, clo. \$1.50. Al—Caa—Cag—Ib—Mu—Va—Wal.
- 1052 **Archer, Prof.** Paper. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1053 **Archer, Prof.** Wool. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1054 **Arnold, L. B.** American dairying; manual for butter and cheese makers. Rochester 1877. \$1.50. Ak—Ed—Rau.
- 1055 **Arnoux, L.** Pottery. B. B. M. I. Lond. n. d. P. 8vo, 3s 6. Sal.
- 1056 **Arrowsmith, J.** Paper hanger's companion: with directions to papering; the various cements and pastes adapted to the several purposes of the trade; panelling and ornamenting of rooms, etc. Phila. 1874. 12mo, \$1.25. Bb—Cag—Mu—Va—Wal.
- 1057 **Art of Brewing** on scientific principles. Lond. (1852.) 18mo, 2s. The same, new enl. ed. \$1.25. Bb—Cak.
- 1058 **Art of canning,** pickling, preserving, curing. N. Y. n. d. 16mo, pap. 25c. Hu.
- 1059 **Art of ornamental hair-work.** Lond. 1856. 16mo, 2s 6d. Bae.
- 1060 **Art of wood engraving.** A practical instructor. Illus. N. Y. n. d. Pap. 25c. Ed.
- 1061 **Art Worker (The).** Collection of designs devoted to art industry, furniture, decoration and ornament. 94 folio plates for the indust. designer in these branches. N. Y. n. d. Portfolio \$12.00, red. \$5.00. Cag—Oa.
The Art Worker has been divided into two albums, viz.: Album of decoration, etc., see 1045a, and album of modern furniture, see 1046.
- 1061a **Arthur, Mrs.** Needle and scissor work: cutting-out by measurement and scale. Illus. Lond. n. d. 2s 6d. Mo.
- 1062 **Ashton, Fred. T.** The theory and practice of the art of designing fancy cotton and woollen cloths from sample: instruc. for reduc. drafts, methods of spooling and making out harness for cross drafts and finding any required reed; with calcul. and tables of yarn. Illus. Phila. n. d. Folio, \$10.00. Bb.
- 1062a **Aspin's** iron and steel trades calculator. Blackwood's edition. Lond. n. d. 8vo, 12s. Bab.

- 1063 **Associated dairying:** creameries and creamery butter, cheese and cheese-making, our dairy-houses and the best butter. Lancaster 1879. 30c and 20c. Z.
- 1064 **Auerbach, G.** Anthracen; its constitution, properties; incl. artificial alizarin, anthra-purpurin, etc., with application to dyeing and printing. Phila. 1877. \$5.00. Bb.
- 1065 **Ayres, George B.** How to paint photographs in water colors and in oil. N. Y. (1878). 12mo, \$1.00 and \$2.00. Ap.
- 1066 **Baird, Rob. H.** The American cotton-spinner, and manager's and carder's guide, with rules and examples for making changes in the size and numbers of roving and yarn. Phila. n. d. 12mo, \$1.50. Bb—Mu—Va.
- 1067 **Baker's Manual:** practical instructor in all branches of the business, includ. American, French, and German styles of work, pastry, cake, and various kinds of bread, biscuit, etc. Also on bread-making. N. Y. n. d. 18mo, pap. 50c. Ed.
- 1068 **Baldwin, A. A.** Designers' chart: illustrating the pick-out of a fancy design reduced to its lowest terms for finding the weave or chain draft, also the cross drawing in draft, with full instruc. for beginners. N. p. n. d. \$1.00. Bb.
- 1069 **Baldwin, A. A.** Treatise on designing and weaving plain and fancy woolen cloths. Illus. (N. Y.) \$4.00. Bb.
- 1070 **Bale, M. P.** Woodworking machinery: its rise, progress and construction. Lond. n. d. 8vo, 12s 6d. Lp.
- 1071 **Banzer, J.** Designs for monuments. W. 73 engrav. N. Y. (1877). Obl. Folio \$8.00. Bs—Cag.
- 1072 **Barber, Edw. C.** The crack shot; the rifle; or, young rifleman's complete guide. Treatise on the use of the rifle, with lessons, includ. a full descrip. of the latest improv. breech-loading weapons, etc. N. Y. n. d. \$1.25. Ed.
- 1073 **Barff, Fred.** Carbon and certain compounds of carbon treated principally with regard to heating, etc. purposes. 7 Cantor lectures. Lond. 1874. 75c. Ru—Sae.
- 1074 **Barff, Prof.** Glass and silicates. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1075 **Barff, Fred.** Silicates, silicides, glass and glass painting. 7 Cantor lectures. Lond. 1872. 75c. Ru—Sae.
- 1076 **Barkeeper's Manual:** plain and fancy mixed drinks, and beverages of all sections. N. Y. n. d. 18mo, pap. 50c. Ed.
- 1077 **Bartley, G. C.** Toys. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1078 **Beaumont, R.** Woolen and worsted cloth manufacture. Lond. n. d. P. 8vo, 7s 6d. Bb—Bm.
- 1079 **Beautiful homes:** hints on house furnishing. N. Y. 1878. 8vo, \$1.50. The same, holiday ed. \$2.00. Da—Wak.
- 1080 **Beaton, A. C.** Quantities and measurements: how to calculate and take them in bricklayers', masons', plasterers', plumbers', carpenters' and joiners' work. Illus. Lond. 1868. 12mo, 1s 6d. 60c. Caa—Lp—Mu.
- 1081 **Beckett, Ed.** Rudimentary treatise on clocks, watches and bells. 7th rev. and enl. ed. Illus. Lond. n. d. 4s 6d, and 5s 6d. \$2.25. Bb—Lp.
- 1082 **Beckmann, J.** History of inventions, discoveries and origins. 4th rev. and enl. ed. by W. Francis and J. W. Griffith. 2 vols. Bohn Lib. N. S. Lond. n. d. 12mo, 3s 6d each. Bm—Li—Ln—Si.
- 1083 **Beckwith, A.** Majolica and faience: Italian, Sicilian, Majorcan, Hispano-Moresque and Persian, with photo-eng. Illus. N. Y. (1877). \$1.00. Ap.
- 1084 **Beckwith, A.** Pottery: observations on the materials and manufacture of terra cotta, stoneware, fire brick, etc. N. Y. 1872. 8vo, pap. 60c. Mu—Va.
- 1085 **Beeton's book of needlework:** every stitch described and illus. Lond. n. d. Cr. 8vo, 7s 6d. \$3.00. Ri—Wb.
- 1086 **Beeton's book of needlework patterns:** every stitch described with accuracy Lond. n. d. Cr. 8vo, 7s 6d. \$3.00. Ri—Wb.
- 1087 **Beeton's family washing book.** B. R. B. Lond. n. d. 1s. 50c. Ri—Wb.
- 1088 **Bemrose, W., Jr.** Fret-cutting and perforated carving, w. practical instruc. Illus. 13th ed. Lond. (1876). 4to, \$2.00, \$3.00. Bb—Bn—Caa—Cag—Mu—Wal.

- 1089 **Bemrose, W., Jr.** Manual of buhl-work and marquetry. W. practical instruc. for learners. Illus. 2d ed. Lond. 4to \$3.00. The same, 3d ed. Lond. 1872. 4to, 6s. \$2.40. Bb—Bn—Caa—Cag.
- 1090 **Benson, Wm.** Manual of the science of color. Illus. Lond. 1871. 12mo, 2s 6d. \$1.25. Bb—Ch.
- 1091 **Benson, Wm.** Principles of the science of color. Illus. Lond. 1871. 4to, 15s. \$7.50. Bb—Ch.
- 1092 **Bevan, G. P.** British manufact. industries. Series of 13 volumes, each contain. three or more subjects. Lond. n. d. P. 8vo, 3s 6d ea. Mu—Sal.
- 1093 **Beavan, G. P.** The industrial classes and industrial statistics. W. maps. 2 vols. Lond. n. d. P. 8vo, 3s 6d ea. Sal.
- Contents of the volumes: mining industries; metal manufactures; finished metal trades; chemical works; ceramics and glass; decorative metal work; paper and books; index, in 1 vol. Textiles and clothing; cotton, flax, linen, and jute; woollen and worsted; silk, lace, and hosiery; minor textiles; bleaching, dyeing, and printing; clothing and dress; leather, ropes, and indiarubber; food industries; sundry industries; working-class federation; working-class legislation; index, in 1 vol.
- 1094 **Bezold, Wm. von.** Theory of color in its relation to art and art industry, trans. by S. R. Koehler. Am. ed. Illus. Bost. (1876). 8vo, \$5.00. Bb—Pp—Sai—Va.
- 1095 **Bickerdyke, J.** The curiosities of ale and beer: an entertaining history, illus. W. over 50 quaint cuts. N. Y. 1886. 8vo, \$8.40. Si.
- 1096 **Billings, E. R.** Tobacco: history, varieties, culture, manufacture and commerce, various modes of use, from its first discovery until now. Illus. (Phila.) n. d. 8vo, \$3.00. Bb—Mu.
- 1097 **Birdwood, G.** Industrial arts of India, new ed. Illus. Lond. (1884) demy 8vo, 14s. Ch.
- 1098 **Bishop, Thos.** The etcher's guide. Illus. Phila. 1879. 8vo, \$1.00. Jb—Va—Wn.
- 1099 **Black, W.** Practical treatise on brewing. 5th ed. Lond. 1875. 8vo, \$4.25. Bb—Mu—Va.
- 1100 **Blump, O. F.** Law of patents, trade marks and copyrights, with notes ref. to the decisions of the courts and the commissioner of patents, with rules of practice in the U. S. patent office, and forms. N. Y. 1877. \$6.00. Bc.
- 1100a **Boetticher, C.** Book of ornaments for the use of architects, decorators, painters and paper manufacturers, and silk and woollen weavers. 8 parts, each containing 4 to 6 plates. (N. Y.) Obl. \$2.20 each. Cag.
- 1101 **Bohn, H. G.** Pottery and porcelain, and other objects of vertu. Illustrated catalogue of the Bernal collection of works of art, with prices at which they were sold by auction, and names of the possessors. With an introductory lecture on pottery and porcelain, and an engraved list of all the known marks and monograms. Illus. (Bohn Lib) Lond. n. d. 12mo, 5s. The same, with col. illus. 10s 6d. Bm—Li—Ln—Si.
- 1102 **Bolas, Th.** Application of photography to the production of printing surfaces and pictures in pigment. 6 Cantor lectures. Lond. 1878. 75c. Ru—Sae.
- 1103 **Bommer, Geo.** Method of making manures: practical and comprehensive guide. N. Y. n. d. Pap. 25c. Ju.
- 1104 **Bone, J. H. A.** Petroleum and petroleum wells. 2d rev. and enl. ed. Phila. n. d. 18mo, 75c. Li.
- 1105 **Book of alphabets.** For painters, designers, etc., including all standard styles German, French, Old English, etc. N. Y. n. d. Pap. 50c. Ed—Wal.
- 1106 **Book of beverages; or, how to mix drinks: the barkeepers' complete guide.** N. Y. n. d. 16mo, pap. 25c. Hu.
- 1107 **Book of Japanese ornamentation: collection of designs adapted to the use of decorators, sign painters, silversmiths, etc.** N. Y. n. d. Bds. \$2.00. Ed.
- 1108 **Book of knowledge, and sure guide to rapid wealth: cosmetics, patent medicines, lotions, soaps, ointments, cements, etc.** N. Y. n. d. 16mo, pap. 25c. Hu.
- 1108a **Book of scrolls and ornaments for car, carriage, fresco and other painters.** N. Y. n. d. Pap. \$1.00. Cag—Ed.
- 1109 **Booth, L.** Carvers' and gilders' design book for decorative furniture. Lond. n. d. Fol., £1.—Hal.

- 1110 **Booth, L.** Original design book for decorative furniture. Lond. n. d. Fol., £1. 10. Hal.
- 1111 **Booth, M. L.** Marble workers' manual: for marble workers, builders and owners of houses; information respecting marbles in general, their cutting, working and polishing; veneering of marble, painting upon and coloring of marble mosaics, composition and the use of artificial marble, stuccos, cements, receipts, secrets, etc., trans. from the French, with an appendix concerning American marbles. (Phila.) n. d. 12mo, \$1.50. Bb—Sai—Va.
- 1112 **Booth, M. L.** New and complete clock and watch makers' manual: descriptions of the various gearings, escapements, etc., in French, Swiss and English clocks and watches, patents, tools, etc., with directions for cleaning and repairing. From the French, with an appendix containing a history of clock and watch making in America, with plates. New ed. N. Y. (1877.) 12mo, \$2.00. Mu—Wag.
- 1113 **Bordeaux wine and liquor dealers' guide:** treatise on the manufacture of liquors, by a practical liquor manufacturer. N. Y. n. d. 12mo, \$2.50. Di.
- 1114 **Boutell, Chas.** Gold working. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1115 **Box, Th.** Practical treatise on mill-gearing, wheels, shafts, riggers, etc. for the use of engineers. 3d ed. Lond. n. d. cr. 8vo, \$3.00. Bb—Mu—Sai.
Contents: On motive powers, wheels, shafts, riggers, or pulleys, keys for wheels and riggers, examples of gearing.
- 1116 **Boyce, A. P.** The art of lettering and sign painters' manual. 36 Illus. Bost. 1878. Obl. 4to, \$3.50. Caa—Cag—Da.
- 1117 **Boyce, A. P.** Collection of scrolls and ornaments suitable for painters, ornamenters, designers, engravers, lithographers, etc. 2 parts. W. pl. Bost. 1874. Obl. 4to, each 50c. Caa—Cag—Da.
- 1118 **Brannon, P.** Air-boat, or arcustat-system of floating in and navigating air. N. Y. 1879. 40c. Sai.
- 1119 **Briggs, Rob.** Steam heating: exposition of the American practice of warming buildings by steam. N. Y. 1883. 18mo, bds. 50c. Caa—Sai—Va.
- 1120 **British manufacturing industries.** Embracing all classes of manufactures. Ed. by G. P. Bevan. 13 vols. Illus. Lond. 1876. 12mo, 3s 6d. \$1.50 each. Sal—Va.
- 1121 **Britton, F. J.** Watches and clocks. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1122 **Britten, Th. A.** Treatise on the origin, progress, prevention, and cure of dry rot in timber; with remarks on the means of preserving wood from destruction by sea-worms, beetles, ants, etc. With pl. Lond. n. d. Cr. 8vo, \$3.00. Sai.
- 1123 **Brockett, L. P.** Silk industry in America: hist. prepared for the Cent. Exposition. N. Y. 1876. \$1.50. Va.
- 1124 **Brooks, C. P.** Practical treatise on the production of cotton cloth, adapted to the requirem. of all engaged in the trade; and invaluable to technical students, either in cotton manufacture or weaving and pattern designing. Illus. Lond. n. d. Cr. 8vo, \$2.40. Sai.
Contents: The weaving of plain and fancy cloths; the construction of looms, tappets, dob-bies, jacquards, drop boxes, and other weaving machinery; preparatory processes; wind-ing, beaming and ball, sectional, and other systems of warping; sizing, sizing materials, size mixing and machinery; the varieties of cloths with particulars of the various stand-ards and makes of plains, and the production of twills, cords, velveteens, gauze, leno, pile cloths, double cloths, checks, figured dhooties, jacquard goods, etc.; weaving statistics, history, and general items; calculations for cloths, weights and lengths, counts wages, also for speeds, wheels, warping, and sizing; glossary of trade terms.
- 1125 **Brown, T.** Taxidermists' manual: guide for the collection, preparation, and preservation of specimens. Illus. N. Y. 1879. 12mo, \$1.25. Ju—Mu—Paa—Va.
- 1126 **Browne, Sir Thos.** Urn-burial (in works vol. 3.) Bohn Lib. Lond. n. d. Cr. 8vo, 3s 6d. Bm.
- 1127 **Browne, W. H.** The art of pyrotechny: practical instruc. for the manufac. of fireworks. Lond. 1879. 12mo, 2s 6d. \$1.00. Va.
- 1128 **Buchanan, R.** Practical essays on millwork and other machinery. 3 vols. N. Y. n. d. 8vo, \$7.00. Va.

- 1129 **Burgess, James W.** Practical treatise, historical and descriptive, on coach building, contain. full inform. of the trades and processes involved, with hints on keeping of carriages, etc. Illus. Lond. n. d. 12mo, 3s. \$1.20.
Caa—Lp—Mu—Va.
- 1130 **Burns, R. S.** Brickwork and masonry in the practical construc. of buildings. Illus. (N. Y.) 1876. 12mo, vol. I, text, \$1.25; vol. II, pl. \$2.25.
Caa.
- 1131 **Burns, R. S.** Building construction: the employment of brickwork and masonry in the construc. of buildings. Text and pl. 2 vols. (N. Y.) 1876. 12mo, \$3.50.
Caa.
- 1132 **Byrn, M. L.** Art of beautifying and preserving the hair, or how to make the hair grow. N. Y. n. d. 24mo, pap. 25c.
Hu.
- 1133 **Byrn, M. L.** The comp. practical distiller. Phila. 1868. 12mo, \$1.50.
O. o. p. Bb—Va.
- 1134 **Byrn, M. L.** The artist's and tradesman's companion. Phila. 1866. 16mo, \$1.00.
Bb—Caa—Va.
- 1135 **Byrne, O.** Lumber ready-reckoner and log book. N. Y. n. d. Bds. 35c.
Cag—Ed.
- 1136 **Byrne, O.** Hand-book for the artisan, mechanic, and engineer: grinding and sharpening of cutting tools, abrasive processes, lapidary work, gem and glass engraving, varnishing and lackering; apparatus, materials and processes for grinding and polishing, etc. Illus. Phila. n. d. 8vo, \$5.00.
Bb—Cag—Va.
- 1137 **Byron's** Modern bartender's guide: method of mixing fancy drinks. Contain. all the punches, slings, fizzles, etc., with receipts for making all kinds of bitters, cordials and syrups, fruit brandies, fruit wines, liquors, mineral waters, table beers, ciders, brandies, temperance drinks, etc., etc. N. Y. n. d. 18mo, pap. 50c., clo. 75c.
Ed.
-
- 1138 **Cabinet maker (the practical).** Collection of working drawings, with explanatory notes. Lond. 1879. 8vo, \$1.60.
Caa—Va.
- 1139 **Cabinet maker's album of furniture:** comprising a collection of designs for furniture. Illus. by 48 pl. Phila. 1868. Obl. \$3.50.
Bb—Caa—Mu.
- 1140 **Callingham, J.** Painters' and grainers' handbook. 25th ed. Lond. 1873. 12mo, 3s and 2s. \$1.20.
Caa.
- 1141 **Callis, F.** Cutlery B. B. M. I. Lond. n. d. P. 8vo, 3s 6d.
Sal.
- 1142 **Campin, F.** Practice of hand turning in wood, ivory, shell, etc. Lond. 1872. 12mo, \$2.00.
Mu—Sai—Va.
- 1143 **Camus, M.** Treatise on the teeth of wheels, demonstrating the best forms which can be given to them for the purposes of machinery, such as mill-work and clockwork and the art of finding their numbers, trans. from the French. 3d rev. and enl. ed. Lond. 1868. 8vo, 5s. \$2.00.
Sai.
- 1144 **Candy maker, (The):** Practical guide to the manufacture of the various kinds of plain and fancy candy. N. Y. n. d. La. 12mo, pap. 50c.
Ed.
- 1145 **Capron, J. R.** Photographed spectra. 126 photographs of metallic, gaseous and other spectra, with descrip. of pl. etc. Lond. 1877. 8vo, \$12.00.
Sai—Va.
- 1146 **Cassell's technical educator.** Illus. 4 vols. Lond. n. d. Cr. 4to, 6s each.
Cd.
- 1146a **Century (A),** of inventions: an exact reprint of "The famous century of inventions" of the Marquis of Worchester. N. Y. n. d. \$1.00.
Ib.
- 1147 **Champeaus, A.** Tapestry. Illus. S. K. M. A. H. Lond. (1884.) Cr. 8vo, 2s 6d.
Ch.
- 1148 **Chapman, R.** Treatise on ropemaking as practised in public and private ropeyards, with a descrip. of the manufacture, rules, tables of weights, etc., adapted to the trade, shipping, mining, railways, builders, etc. 2d ed. Lond. n. d. 12mo, 2s 6d. \$1.00.
Mu—Sai.
- 1149 **Charles, R.** The cabinet-maker: journal of design for upholsterers, cabinet-makers, decorators, carvers, gilders and others. Lond. 1868. 4to, $\frac{1}{2}$ mor. \$2.50.
Caa—Va.
- 1150 **Charles, R.** Cabinet-maker's sketch-book; being a collection of designs for chiffoniers and buffets. 60 pl. Lond. 1866. Imp. 4to, \$7.20.
Caa.
- 1151 **Charley, W. T.** Flax and linen. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d.
Sal.

- 1152 **Cheetham, Jos.** Complete guide to self-acting mules, with calculations in the card and twisting rooms. (Phila.) 12mo, pap. 75c. Bb.
- 1153 **Chevreur, M. E.** Laws and contrast of color and their application to fine arts. Illus. Lond. n. d. 16mo, \$2.00. Rw.
- 1154 **Chevreur, M. E.** On colour. Cont. the principles of harmony and contrast of colours, and their application to the arts; includ. painting, decoration, tapestries, carpets, mosaics, glazing, staining, calico printing, letterpress printing, map colouring, dress, etc. Trans. from the French by Charles Martel. 3rd and only complete ed., with intro. by the trans. and pl. (Bohn Lib.) Lond. n. d. 12mo, 5s. The same, with an addit. series of 16 pl. in colours, 7s 6d. \$3.75. Bm—Cag.
- 1155 **Chevreur, M. E.** Principles of harmony and contrast of colours, and their application to arts. Illus. Lond. n. d. 12mo, \$3.75. Bb.
- 1156 **Chisholm, H. W.** The science of weighing and measuring and standards of measures and weights (Nature Series). N. Y. (1877.) \$1.25. Mb.
- 1157 **Chorlton, Wm.** Grape-grower's guide: treatise on the cultivation of the grape-vine. Illus. N. Y. n. d. 12mo. 75c. Ju.
- 1158 **Christopher, S.** Cleaning and scouring: manual for dyers, laundresses, and for domestic use. N. Y. 1877. 18mo, pap. 20c. Sai.
- 1159 **Church, Prof.** Acids and alkalies. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1160 **Clapham, Josh.** Woolen and worsted manufacturers' handbook. Manchester n. d. 12mo, \$2.00. Bb.
- 1161 **Clarke, W. H.** Outline of the structure of the pipe organ. Illus. Indianap. 1877. 8vo, \$1.50. Cp.
- 1162 **Cobb, B. F.** Silk. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1163 **Coddington, C. E.** Digest of the law of trade marks. N. Y. 1878. 8vo, shp. \$6.00. Dm—Wc.
- 1164 **Colling, J. K.** Gothic ornaments; series of examples of details. 2 vols. W. color. pl. Lond. 1848. 4to, \$22.50. Va.
- 1165 **Collins, J.** Indiarubber, gutta-percha, leather and hides. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1166 **Collins, J. E.** The private book of useful alloys and memoranda for goldsmiths, jewellers, etc. N. Y. 1872. 16mo, 50c. Mu—Va.
- 1167 **Common things explained:** air, earth, fire, water, time, man, the eye, locomotive, colour, clocks and watches, etc. Lond. n. d. 5s. Lp.
- 1168 **Cone, And., and Johns, W. R.** Petrolia: brief history of the Pennsylvania petroleum region. N. Y. 1870. 8vo, \$3.00. Va.
- 1169 **Confectioner's handbook and practical guide to the art of sugar boiling.** 3d ed. Lond. 1881. 12mo, \$3.00. Mu—Va.
- 1170 **Cooley, A. J.** Complete practical treatise on perfumery: hand book of perfumes, cosmetics, and other toilet articles. With a compreh. collection of formulae. Phila. 1874. 12mo, \$1.50. Bb—Ln—Mu—V—Va.
- 1171 **Copley, F. S.** Plain and ornamental alphabets, with examples. With designs for titles, ciphers, monograms, borders, compasses, flourishes, etc., text-book for engravers, designers, sign painters, schools, etc. N. Y. 1877. La. 4to, \$3.00. Ak—Caa—Ed—Ju—Mu—Va.
- 1171a **Coryton, John.** Treatise on the law of letters patent for the sole use of inventions in the United Kingdom of Great Britain and Ireland, including the practice connected with the grant; to which is added a summary of the patent laws in force in the principal foreign states, appendix of statutes, rules, forms, etc. Phila. 1855. 8vo, \$2.50. Je.
- 1172 **Cotton** from seed to loom. N. Y. n. d. \$3.00. Db.
- 1173 **Cow (The),** complete guide to dairy management. Illus. Lond. n. d. Cr. 8vo, hds. 1s. 50c. Ri—Wb.
- 1174 **Grace-Calvert, F.** Dyeing and calico printing, and the manufacture and use of aniline colors. Ed. by Stenhouse and C. E. Groves. Illus. and specimens of printed and dyed fabrics. Manchester 1876. 8vo, \$8.00. Bb—Mu—Wag.
- 1175 **Cristiani, R. S.** Comprehensive treatise, on perfumery, with instruc. and formula. Phila. 1878. 8vo, \$5.00. Bb—Mu—V—Va.
- 1176 **Crookes, Wm.** Practical handbook of dyeing and calico printing. Illus. Lond. 1874. 8vo, 42s. \$15.00. Bb—Lw.

- 1178 **Davenport, S.** Engraving. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1179 **Davidson, E. A.** Drawing for bricklayers. Illus. Lond. 1874. 18mo, 3s. \$1.50. Cd—Caa—Cag—Mu—Wal.
- 1180 **Davidson, E. A.** Drawing for cabinet-makers. Illus. Lond. n. d. 18mo, 3s. \$1.50. Cd—Cag—Mu—Wal.
- 1180a **Davidson, E. A.** Drawing for metal-plate workers. Illus. Lond. n. d. 18mo, 3s. \$1.50. Cd—Caa—Cag—Mu—Va—Wal.
- 1181 **Davidson, E. A.** Drawing for stone-masons, with a concise history of masonry. Illus. Lond. (1871). 18mo, 3s. \$1.50. Cd—Caa—Cag—Mu—Wal.
- 1182 **Davidson, E. A.** Gothic stonework. W. pl. Lond. (1874). 18mo, 3s. \$1.50. Cd—Caa—Cag—Mu—Wal.
- 1183 **Dawson, Geo.** Manual of photography, founded on Hardwich's photographic chemistry. 8th ed. (Phila.) 1873. 12mo, \$2.00. Va.
- 1183a **Day, L. F.** Instances of accessory art: original designs and suggestive examples of ornaments. Illus. N. Y. n. d. Folio \$5.00. Cag.
- 1184 **Dearborn, N. S.** American text-book of letters. Bost. n. d., obl. \$2.00; Text-book of scrolls, monograms, ornaments, etc. Bost. n. d., obl. \$2.50. Caa—La.
- 1185 **Dearborn, W. L.** Making brick-masonry impervious to water. N. Y. n. d. 8vo, pap. 30c. Caa.
- 1185a **Deas, F. J. R.** The young tea-planter's companion: treatise on the management of a tea-garden in Assam. Illus. Lond. Cr. 8vo, 4s 6d. Saf.
- 1186 **De Coin, R. L.** History and cultivation of cotton and tobacco. Lond. 1864. 12mo, \$3.00. Va.
- 1187 **Delamotte, F.** Mediæval alphabets and initials for illuminators. 21 pl. With. introd. by J. W. Brooks. Lond. n. d. Sm. 4to, 6s. \$2.40. Lp—Va.
- 1188 **Delamotte, F.** Ornamental alphabets, ancient and mediæval, from the 8th century, w. numerals. Print. in colors. Cheaper ed. Lond. n. d. Roy. 8vo. bds. 2s 6d. \$1.00. Lp—Mu—Va.
- 1189 **Demmin, Aug.** Illus. history of arms and armour, from the earliest period. Trans. by C. C. Black. Illus. (Bohn Lib.) N. S. Lond. n. d. 12mo, 7s 6d. \$2.65. Bm—Ln.
- 1190 **Denison, E. B.** Rudimentary treatise on clocks, watches and bells. 6th enl. ed. Lond. 1874. 4s 6d. \$1.80. Lp—Va.
- 1191 **Designs and instructions for decorative pottery in imitation of Greek. Roman, and other styles of vases.** Bost. (1877). 16mo, 50c. Th.
- 1192 **De Vinne, T. L.** The invention of printing. 2d ed. Illus. N. Y. 1878, 8vo, \$6.00 and \$8.00. Hi.
- 1193 **D'Homergue, J.** The silk culturist's manual; or, planting and cultivation of mulberry trees, the rearing and propagating of silk worms, etc. (Phila.) 1839. 12mo, \$3.00. Va.
- 1195 **Dick's** log and lumber measurer: contents of logs and the feet of inch-boards they contain, the measurem. of timber, and other inform. for measuring and estim. lumber. N. Y. n. d. 18mo, bds. 25c. Di.
- 1196 **Dieulafait, Louis.** Diamonds and precious stones: popular account of gems. Trans. by F. Sanford. Illus. N. Y. 1876. 12mo, \$1.50. Se.
- 1197 **Dobson, Edw.** Masonry and stonecutting. Illus. Lond. 1878. 18mo, 2s 6d. \$1.00. Caa—Lp—Mu—Va—Wal.
- 1198 **Dobson, E.** Rudimentary treatise on the manufacture of bricks and tiles, with an outline of the princ. of brickmaking. Illus. Lond. 1878. 12mo, 3s. \$1.20. Caa—Lp—Mu—Va.
- 1198a **Donders, F. C.** On the anomalies of accommodation and refraction of the eye. With a preliminary essay on physiolog. dioptries. Trans. by Wm. Dan. Moore. Illus. Lond. 1864. 8vo, \$4.00. Bac.
- 1198b **Downe, Th.** Iron and metal trades' companion; calculator on the value of goods bought or sold by weight, rules on decimals, square and cube root, mensur. of superficies and solids, etc. Lond. 1877. 18mo, leath. 9s. Lp.
- 1199 **Dresser, Chr.** Carpets. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1199a **Dresser, Chr.** Modern ornamentation: original designs for patterns of textile fabrics, for the ornament. of wood, metal, pottery, etc., and for the decoration of walls, ceilings, etc. N. Y. n. d. \$15.00. Cag.
- 1200 **Du Breuil, A.** The Thomery system of grape culture: describing the cultivation of the grape on trellises in Northern and Central France. N. Y. 1876. 30c. Ak—Ed—Ju.

- 1201 **Duncan, F. J.** Wax flowers: course of lessons in modelling wax flowers. Desig. espec. for beginners. Illus. Phila. 1877. 12mo, \$1.00. Li—Ln.
- 1202 **Dunning, John.** Tobacco. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1203 **Duplais, Jr. and Sen.** Treatise on the manufacture and distillation of alcoholic liquors: details in regard to alcohol from wine, molasses, beets, grain, rice, potatoes, sorghum, asphodel, fruits, etc.; with the distillation and rectification of brandy, whiskey, rum, gin, Swiss absinthe, etc., the preparation of aromatic waters, volatile oils or essences, sugars, syrups, aromatic tinctures, liqueurs, cordial wines, effervescing wines, etc., the aging of brandy and the improvement of spirits, with copious directions and tables for testing and reducing spirituous liquors, etc. Trans. by M. McKennie, with the U. S. int. rev. regul. for the assessm. and collec. of taxes on distilled spirits. Illus. and pl. Phila. 1871. 8vo, \$10.00. £2. 2s. Bb—Lab—Va.
- 1204 **Duplessis, Geo.** The wonders of engraving. Illus. N. Y. n. d. 12mo, \$1.00. Se.
- 1205 **Dussauce, H.** General treatise on the manufacture of vinegar: theoret. and prac., the chemical principles involved in the prepar. of acetic acid and its derivatives, and the practical details of the various methods of preparing vinegar by the slow and quick processes, with alcohol, wine, grain, malt, cider, molasses, beets, etc.; the fabrication of pyroligneous acid, wood vinegar, etc., together with their applications, and a treatise on acetometry. Illus. Phila. 1871. 8vo, \$5.00. £1. 5.— Bb—Mu—Tr—Va.
- 1206 **Dussauce, H.** Practical treatise on the fabrication of matches, gun cotton, colored fires and fulmin. powders. Phila. 1864. 12mo, \$3.00. Bb—Mu.
- 1207 **Dyer and color maker's companion:** containing upwards of 200 receipts for making colors, on the most approved principles, for all the various styles and fabrics now in existence; with the scouring process, and plain directions for preparing, washing-off and finishing the goods. Lond. 1876. 12mo, 3s. \$1.25. Bb—Gaf—Va.
- 1208 **Dyer and scourer:** complete guide, designed especially for the use of job dyers, including dyeing silk, stuff or mixed goods, cotton, raw wool scouring for job dyers, and job dyeing in all its branches. N. Y. n. d. 18mo, pap. 50c. Ed.
-
- 1209 **Eassie, W.** Cremation of the dead: its history and bearings. Illus. Lond. 1875. Cr. 8vo, 8s 6d. Sad.
- 1210 **Eastlake, C. L.** Hints on household taste in furniture, upholstery, etc. 4th ed. Illus. Lond. 1877. 8vo, 14s. Lw.
- 1210* **Ede's** gold and silversmiths, and jewellers' calculator, for showing at sight the exact value of any quantity of gold, from 25s. to 5 guineas per ounce; of silver from 3 to 10s. per ounce, from 1 grain to 1000 ounces; and of diamonds from 2 to 12 pounds per carat; also tables on the duties of gold and silver, by J. Aspin. Blackwood's ed. Lond. n. d. 7s 6d. Bad.
- 1210a **Edison** and his inventions, includ. sketch of life and description of inventions. Illus. (Chic.) n. d. 8vo, pap. 25c., clo. 75c. Ri.
- 1211 **Edwards, F.** Fire places, stoves, etc. Lond. 1877. 12mo, pap. 6d. 20c. Lw—Va.
- 1212 **Edwards, F.** Improved fire-places: suggestions for economizing fuel. Illus. Lond. 1877. 8vo, 1s. 40c. Lw—Va.
- 1213 **Edwards, F.** On the extravagant use of fuel, with many practical suggestions. Lond. 1869. 8vo, 6s. \$2.50. The same, 1877. 8vo, 3s 6d. \$1.40. Caa—Lw—Va.
- 1214 **Edwards, F.** Our domestic fire-places. New ed. re-written and enl. Lond. (1870.) 15s, \$6.00. The same, with author's add. on the domestic use of fuel, etc. Lond. 1877. 8vo, 12s, \$4.80. Caa—Lw—Va.
- 1215 **Eichbaum, G. R.** Selection of stone for masonry. N. Y. n. d. 8vo, 25c. Caa.
- 1216 **Eldridge, Jno.** The pump fitter's guide, for calculating and fixing pumps, etc. W. pl. Lond. n. d. 12mo, pap. 1s, 40c. Sai.
- 1217 **Elliott, Ch. W.** Pottery and porcelain, from early times down to the Philadelphia exhibition. Illus. N. Y. 1877. 8vo, \$5.00. Ap.
- 1218 **Emanuel, H.** Diamonds and precious stones. New ed. Lond. 1867. 12mo, \$2.75. Va.

- 1219 **Encyclopædia** of chemistry, theoretical, practical, and analytical; as applied to the arts and manufactures. By writers of eminence. Illus. Complete in 40 parts. 8vo, pap., each part 50c; in 2 vols. clo. \$24.00; shp. \$27.00; half turkey \$30.00. Li—Mu.
- 1220 **Encyclopædia** of monograms. 130 pl. 9x11 inches, portfo. \$10, red. \$5.00. Cag—Mu—Oa—Wal.
- 1221 **Engel, C.** Musical instruments. Illus. S. K. A. H. Lond. n. d. La. cr. 8vo, 2s 6d. Ch.
- 1222 **Engel, C.** Descriptive and illus. catalogue of musical instruments in the S. Kensington Museum. 2d ed. S. K. Cat. Lond. (1884.) Roy. 8vo, ½ mor. 12s. Ch.
- 1222a **Estabrooke, E. M.** The ferrotype, and how to make it. 5th ed. (N. Y.) n. d. 12mo, 50c. Mu.
- 1223 **Evans, M.** Butter and cheese. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
-
- 1224 **Fairbairn, W.** Treatise on mill and millwork. Illus. and pl. Lond. 1878. 8vo, \$8.75. Bb—Lw—Mu—Va.
- 1225 **Van Falke, J.** Art in the house: historical, critical and aesthetical studies on the decoration and furnishing of the dwelling. Trans. by C. C. Perkins. Illus. Bost. 1879. Roy. 8vo, \$10.00. Pp—Va.
- 1226 **Faraday, M.** Chemistry of a candle, course of 6 lectures, with one on platinum; ed. by Wm. Crookes. (N. Y.) n. d. 85c. Mu.
- 1227 **Fashionable furniture:** series of 150 large designs of cabinetwork, upholstery and decoration. 116 pl. N. Y. n. d. Sm. folio, bds. \$8.00, red. \$3.00. Cag—Oa—Va—Wal.
- 1227a **Favart, E.** Flowers and plants: sketches from nature, for designers in ornaments and arts. 60pl. 10x16. N. Y. n. d. Portfo. \$5.00, red. \$4.00. Oa.
- 1228 **Felkin, W.** Hosiery and lace. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1229 **Feuchtwanger, L.** Fermented liquors: treatise on brewing, distilling, and rectifying of wines, spirits, cordials, vinegars, etc. N. Y. 1867. 12mo, \$3.00. Va.
- 1230 **Feuchtwanger, L.** Hand-book on silex. Formulæ for rendering wood, fire and dry-rot proof, silicifying stones, mortars, concrete and hydraulic limes, cements, etc. N. Y. 1871. 12mo, \$3.50. Caa.
- 1231 **Fireworks** (Routledge's handbooks). Lond. n. d. Roy. 32mo, bds. 20c. Rw.
- 1232 **Fireworks:** how to make and use them; directions for the manufacture of simple fireworks. N. Y. n. d. Pap. 10c. De.
- 1233 **Fitzgerald, W. N.** Carriage trimmers' manual; guide book, and illustrated technical dictionary; a practical treatise for the carriage trimmer. Lond. n. d. 8vo, \$3.00. Sai.
- 1234 **Fitzgerald, W. N.** Harness makers' illustrated manual; a practical guide for manufacturers and makers of harness, pads, gig saddles, etc. Lond. n. d. Cr. 8vo, \$3.00. Sai.
- 1235 **Flax culture:** manual of flax culture and manufacture, with directions for preparing ground, sowing and harvesting, including hemp and flax culture in the west, and preparation for market. N. Y. n. d. 8vo, pap. 10c. The same, pap. 30c. Ak—Ed—Ju.
- 1236 **Flower, E. F.** Bits and bearing reins, and horses and harness. Lond. (1877). 12mo, pap. 1s. 50c. Cd.
- 1237 **Flower, E. F.** Horses and harness. Lond. (1876). 8vo, 1s. Rn.
- 1238 **Flower, W. H.** Fashion in deformity, as illustrated in the customs of barbarous and civilized races. Illus. (Nature Series). Lond. n. d. 50c. Mb.
- 1239 **Foggett, W. H.** Monumental designs; consisting of 14 pl. Folio. N. Y. 1875. \$5.00. Va.
- 1240 **Foley, E. D.** Cotton manufacturer's assistant. 2d ed. Lond. 1877. 12mo, 2s. \$1.00. Bb—Su.
- 1241 **Forsyth, James.** Book of designs for headstones, mural, and other monuments: 78 designs, with an introd. by Charles Boutell. (Phila.) n. d. 4to, \$5.00. Bb.
- 1242 **Fortnum, C. D. E.** Bronzes. Illus. S. K. A. H. Lond. (1884). La. cr. 8vo, 2s 6d. Ch.

- 1243 **Fortnum, C. D. E.** Bronzes of European origin. Illus. S. K. C. Lond. n. d. Roy. 8vo, halfbd. £1. 10. Ch.
- 1244 **Fortnum, C. D. E.** Maiolica. Illus. S. K. A. H. Lond. (1884). La. cr. 8vo, 2s 6d. Ch.
- 1245 **Fortnum, C. D. E.** Maiolica, Hispano-Moresco, Persian, Damascus and Rhodian wares. Illus. S. K. C. Lond. n. d. Roy. 8vo, halfbd. £2. Ch.
- 1246 **Foster, P. Le Neve.** Photography. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1246a **Franke, W. B.** Designs for monuments. 40 very large pl., some of which are devoted to vaults. N. Y. (1875). La. Folio \$6.00. Mu.
- 1247 **French polishers' manual.** By a French polisher. Lond. n. d. Roy. 32mo, pap. 20c. Cag—Sai—Wal.
- 1248 **Fuller, A. S.** Grape culturist: on the culture of hardy grapes, with full directions. Illus. N. Y. 12mo, \$1.50. Ju—Mu.
- 1249 **Fuller, S. E.** Instruction in the art of wood engraving. New ed. Illus. N. Y. 1879. Bound 50c. Ib.
- 1250 **Furniture and cabinet finisher: guide to polishing, staining, dyeing, and other preparations of hard and soft woods, includ. the various imitations of costly woods, and a multitude of trade recipes, and secrets of the trade.** N. Y. n. d. 18mo, pap. 50c. Caa—Cag—Ed—Wal.
-
- 1251 **Galloway, J. D.** Gasfitters' and plumbers' companion. Clear and comprehensive treatise bearing on all the important points of the business. Phila. 1875. 12mo, \$1.00. Bb—Caa.
- 1252 **Garrett, B. and A.** Suggestions for house decoration, in painting, wood work and furniture. (Phila.) 1877. 12mo, \$1.00. Caa—Pk.
- 1253 **Geldard, Jas.** Handbook on cotton manufacture: guide to machine building, spinning and weaving. With practical examples, calculations, and useful tables. Illus. N. Y. 1867. 12mo, \$2.50. Mu—Wag.
- 1254 **Gessert, M. A.** Glass-staining, with an appendix on the art of enamelling; and an essay on the art of painting on glass. By Fromberg. New ed. Lond. 1879. 12mo, 2s 6d. \$1.00. Cag—Lp—Mu—Va.
- 1255 **Gibbs, J.** Cotton cultivation in its various details. Illus. Lond. n. d. Cr. 8vo, \$3.00. The same. Lond. 1860. Folio \$12.00. Caa—Va.
- 1256 **Gibson, R. H.** American dyer: practical treatise on coloring wool, cotton, yarn and cloth, etc., also calico printing, etc. (Bost.) 1878. 8vo, \$10.00. Bb—Faa.
- 1257 **Gibson, W. G.** Gradual reduction milling. Lond. n. d. 8vo, \$3.50. Sai.
- 1258 **Gilder's manual: practical guide to gilding in all its branches as used in the several trades, such as interior decoration, picture and looking-glass frames, oil and water gilding, regilding, gilding signs, glass, china, pottery, etc.; gilding on muslin, silk, etc.; gilding on metals, imitation gilding, gilding for printers, silvering, silver electro-plating, silvering looking-glasses, etc.** N. Y. n. d. 18mo, pap. 50c. Cag—Ed—Mu.
- 1259 **Gilks, Th.** Art of wood engraving. 2d ed. Lond. 1867. 12mo, pap. 1s. 40c. Va.
- 1260 **Gill, C. H.** Sugar refining. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1261 **Gillmore, Q. A.** Prac. treatise on the construc. of roads and pavements. Illus. N. Y. (1879.) 12mo, \$2.00. Cag—Va.
- 1262 **Gillmore, Q. A.** Prac. treatise on limes, hydraulic cements, and mortars. 8th ed. Illus. N. Y. 1879. 8vo, \$4.00. Caa—Cag—Mu—Sai—Va—Wal.
- 1263 **Gillmore, Q. A.** Prac. treatise on coignet beton and other artificial stones. N. Y. 1871. 8vo, \$3.50. Caa—Cag—Va.
- 1264 **Gilroy, G. C.** Art of weaving by hand and power. 2d ed. Illus. Lond. 1853. 8vo, 18s. \$10.00. Bb—Su.
- 1265 **Glenny's Treatise on the culture of grapevine and currant.** Lond. n. d. 6d. Hal.
- 1266 **Glynn, J.** Water power as applied to mills. New ed. Lond. 1879. 12mo, 2s, 80c. Bb—Lp.
- 1266a **Godwin, E. W. and others, (design).** Art furniture, from designs, (N. Y.) n. d. Obl. 4to, bound \$3.00. Cag.
- 1267 **Goffard, A.** Ensilage; preserv. of corn-stalks (maize), and other green fodder in air tight compartments, called silos. N. Y. 1879. 8vo, \$1.00. Bap.

- 1268 **Goodwin, T.** Art of mural decoration. Lond. 1866. 12mo, pap. 40c.
Cag—Va.
- 1269 **Gore, G.** Art of electro-metallurgy, includ. all known of electro-deposition.
Illus. N. Y. 1877. 12mo, \$2.25. Ap—Mu—Va.
- 1270 **Gothic album** for cabinet makers: designs for gothic furniture. 23 pl. Phila.
1868. Obl. roy. 8vo, \$2.00. Bb—Caa—Mu.
- 1271 **Goubaud, Mme. A.** Berlin wool instruc. Illus. Lond. n. d. Sm. 16mo,
6d. 25c. Ri—Wb.
- 1272 **Goubaud, Mme. A.** Book of monograms, initials, etc., for embroidery.
70 patterns. Lond. n. d. Sm. 16mo, pap. 1s. 50c. Wb.
- 1273 **Goubaud, Mme. A.** Crochet instruc. Illus. Lond. n. d. Sm. 16mo, pap.
6d. 25c. Ri—Wb.
- 1274 **Goubaud, Mme. A.** Crochet patterns. Illus. Lond. n. d. Sm. 16mo,
pap. 1s. 50c. Ri—Wb.
- 1275 **Goubaud, Mme. A.** Embroidery instruc. Illus. Lond. n. d. Sm. 16mo,
pap. 6d. 25c. Ri—Wb.
- 1276 **Goubaud, Mme. A.** Embroidery patterns. Illus. Lond. n. d. Sm. 16mo,
pap. 1s. 50c. Ri—Wb.
- 1277 **Goubaud, Mme. A.** Guipure patterns. Illus. Lond. n. d. Sm. 16mo,
pap. 1s. 50c. Ri—Wb.
- 1278 **Goubaud, Mme. A.** Knitting and netting patterns. Illus. Lond. n. d.
Sm. 16mo, pap. 1s. 50c. Ri—Wb.
- 1279 **Goubaud, Mme. A.** Point lace book. Illus. Lond. n. d. Sm. 16mo, pap.
1s. 50c. Ri—Wb.
- 1280 **Goubaud, Mme. A.** Tatting patterns. Illus. Lond. n. d. Sm. 16mo,
pap. 1s. 50c. Ri—Wb.
- 1281 **Graham, W.** Brass, tin, and zinc. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d.
Sal.
- 1282 **Grand'homme, E.** Cutting-out and dressmaking. From the French. Lond.
n. d. 18mo, 30c. Mb.
- 1283 **Grandy, R. E.** Timber importer's, timber merchant's, and builder's stand-
ard guide. 2d ed. caref. corr. Lond. (1876), 12mo, 3s 6d. \$1.25. Caa—Lp.
- 1284 **Grant, E. B.** Beet root sugar and the cultivation of the beet. Bost. (1867).
12mo, \$1.25. La—Va.
- 1285 **Grant, John.** Experiments on the strength of cement, chiefly in reference
to the Portland cement used in the Southern Main Drainage Works.
Lond. n. d. 8vo, \$4.25. Mu—Sai.
- 1286 **Great inventors; sources of their usefulness and the results of their efforts.**
Illus. Lond. n. d. Cr. 8vo, 5s. \$2.00. The same, \$1.25 and 65c. Ri—Wb.
- 1287 **Green, S. A.** Epitaphs from the old burying ground in Groton, Mass.
Illus. Bost. 1878. 8vo, \$3.00. Ln.
- 1288 **Gregory.** On fertilizers. N. Y. n. d. Pap. 40c. Ju.
- 1289 **Grimshaw, H.** Kitchen boiler and water pipes. Lond. 1879. 8vo, pap.
1s. 40c. Caa—Sai.
- 1290 **Grimshaw, R.** Modern milling. Illus. Phila. n. d. 8vo, \$1.00. Bb—Hm.
- 1291 **Grimshaw, R.** Miller, millwright, and mill-furnisher, prac. treatise. Illus.
Lond. n. d. Roy. 8vo, 30s. \$6.00. Sai.
- 1292 **Groom, Edw.** Art of transparent painting on glass. Illus. Lond. 1870.
12mo, pap. 40c. Cag—Va.
- 1292* **Gruz, H.** Sketches of fresco painting in modern buildings. 12 parts, in
colors. (N. Y.) n. d. ea. \$5.90. Cag.
- 1292a **Guettier, A.** Metallic alloys: guide to their chemical and phys. prop. rties,
their prepar., compos., and uses. Trans. by A. A. Fesquet. Phila. (1871)
1872. 12mo, \$3.00. Bb—Mu.
- 1293 **Guide** to church furnishing and decoration. Chic. 1876. Sq. 16mo,
pap. 50c. An.
- 1294 **Gunsmith's manual:** Illus. N. Y. n. d. \$2.00. Ed—Fr.
Contains: descrip. of guns and pistols, fitting up a shop, general gunsmithing; taking apart,
cleaning, and putting together; tools required; how to make tools; the work-bench; work-
ing in iron, steel, copper, brass, silver, and wood; gun-stocks, gun-barrels, tools for
breeching guns, tools for chambering breech-loading barrels, etc.

- 1294a **Haendel, E.** Fresco stencil painting in the old German style. Pounce patterns in natural size, for ceilings, walls, etc., and for decorat. churches, etc., in old style of the 12th to 16th century. 25 pl. (N. Y.) n. d. Fo. \$3.85. Cag.
- 1294b **Haevemayer, L.** Wall patterns for fresco and decorative painters, paper and carpet factories. 4 parts of 6 col. pl. each. (N. Y.) n. d. Ea. \$1.10. Cag.
- 1295 **Hale, L. P.** Art needlework. Bost. (1878). 12mo, 50c. Th.
- 1295a **Hale, L. P.** Art needlework for decorative embroidery. Bost. n. d. 12mo, pap. 25c. Th.
- 1296 **Hale, L. P.** More stitches in decorative embroidery. Bost. 1879. 12mo, pap. 25c. Th.
- 1297 **Hale, L. P.** Plain needlework. Bost. 1878. 12mo, pap. 25c. Th.
- 1298 **Hale, L. P.** Point lace: guide to lace work. Bost. 1879. 12mo, pap. 25c. Th.
- 1298a **Hale, L. P., and White, M. E.** 300 decorative and fancy articles for presents, fairs, etc. Illus. Bost. n. d. 12mo, pap. \$1.00. Th.
- 1299 **Halstead, A. M.** Artificial incubation and incubators. Illus. N. Y. n. d. 8vo, pap. 75c. Ju.
- 1300 **Hamerton, P. G.** Examples of modern etching. N. Y. 1876. \$12.00. Baf.
- 1301 **Handbook of carving.** R. M. L. Lond. n. d. 32mo, 20c. Rw.
- 1302 **Handybook of shopkeeping**, by the author of "Enquire Within". Lond. n. d. Cr. 8vo, pap. 1s. Hal.
- 1304 **Haney's fancy alphabets.** For sign painters. Parts I and II. N. Y. n. d. 50c. ea. Caa—Ed.
- 1305 **Haraszthy, A.** Grape culture and wine making. Illus. N. Y. (1862). 8vo, \$5.00. Bb—Hd.
- 1306 **Harlan, Geo. C.** Eyesight, and how to care for it. Illus. Phila. 1879. 16mo, 50c. Bac—Hm.
- 1307 **Harris, Jos.** Talks on manures. N. Y. 1878. 12mo, \$1.50. Ju—Sai—Va.
- 1308 **Hartley, F.** Ladies' handbook of fancy and ornam. work, comprising directions and patterns. Phila. (1859). 12mo, \$2.00. Mu—Pm.
- 1309 **Haserick, E. C.** Secrets of the art of dyeing wool, cotton, and linen, includ. bleaching and coloring wool and cotton hosiery and random yarns. Illus. by 323 dyed patterns of the yarns or fabrics. Cambridge, Mass. 1869. 8vo, (\$12.50) \$25.00. Bb—Mu.
- 1310 **Hatton, Jos.** Printing. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1312 **Haweis, H. R.** Art of dress. Illus. Lond. (1884). Sm. 8vo, 1s and 1s 6d. Ci.
- 1313 **Hay, D. R.** Interior decorator: laws of harmonious coloring adap. to interior decorations with observ. on the practice of house painting. Phila. 1867. 12mo, \$2.25. Bb—Caa.
- 1314 **Hazard, W. P.** Butter and butter-making, with the best methods for producing and marketing it. Phila. (1877). 12mo, pap. 25c. Pk.
- 1315 **Henry, J. F.** Early and later hist. of petroleum. Illus. Phila. 1876. 8vo, \$4.50. Bb.
- 1316 **Heron-Allen.** Violin making; with photog. and engrav. Lond. n. d. 10s 6d. Wb.
- 1316a **Herzberg, Dr.** History of the sewing machine, trans. Lond. 1864. 8vo, 7s 6d. Sai.
- 1317 **Hildebrand, H.** Indus. arts of Scandinavia in the Pagan time. Illus. S. K. A. H. Lond. (1884.) La. cr. 8vo, 2s 6d. Ch.
- 1318 **Holdsworth.** Ready reckoner for hanks in worsted pieces. Lond. 1876. 8vo, 21s. \$10.00. Bb—Su.
- 1319 **Holland, J.** Cotton spinners' guide and managers' assistant. 12th ed. Manchester (1879). 12mo, 1s. 50c. Bb—Hac.
- 1320 **Hooper, W. H. and Phillips, W. C.** Manual of marks on pottery and porcelain. Illus. N. Y. (1877). 16mo, \$1.50. Mb.
- 1321 **Hope, Arth.** Sorrents and inlaid work for amateurs. Illus. Chic. (1877.) 8vo, \$1.50. The same, pop. ed. pap. 50c. Va—Wah.
- 1322 **Hoppn's measurer:** tables for measuring timber, stone, glass, etc. Lond. n. d. Obl. 16mo, 3s 6d. Hal.

- 1323 **Horses-hoer's manual:** includ. prep. of foot, choice of shoes, fitting, filing, shoeing with leather, cutting, removing, etc. N. Y. n. d. 18mo, pap. 25c. Ed.
- 1324 **Horton, R.** Complete measurer: measurement of boards, glass, etc., unequal-sided, square-sided, octagonal-sided, round timber and stone, and standing timber, etc. 4th ed. w. add. Lond. n. d. 12mo, $\frac{1}{4}$ bound, 5s. Lp.
- 1325 **House and its furniture:** common sense guide to building, etc. Illus. Lond. 1879. 8vo, 40c. Caa.
- 1326 **Hovell, Jos.** Essay on the disc and differential motions as applied to the Fairbairn, Kennedy and Naylor's roving machines; also, the scroll, and how to make it, etc. Illus. Lond. 1875. 12mo, 1s 6d. 75c. Bb—Su.
- 1327 **How to dress well.** R. M. L. Lond. n. d. 32mo, 20c. Rw.
- 1328 **How to make candy:** manual of plain directions for the manufacture of the more popular forms of confectionery. 2d ed. Hartford (1875), 1877. 16mo, pap. 50c. Fo—Ju.
- 1328a **How to make up Moffatt's paper patterns:** Lond. n. d. 4d. Mo.
Contains: instructions for putting the parts of garments together, working the various parts, such as making and setting on yokes, collars, folds, binders and embroidery; also fronts of embroidered robes and nightdresses, fronts of shirts, seams, hems, tucks, etc.
- 1329 **Hower, F. W.** Lightning slate reckoner. (N. Y.) n. d. 12mo, \$1.50. Wal.
- 1330 **Hughes, W. C.** American miller and millwright's assistant. 5th ed. Phila. 1876. 12mo, \$1.50. Bb—Caa—Mu—Sai—Va.
- 1331 **Hull, E.** Treatise on ornamental and building stones of Great Britain and foreign countries. Illus. Lond. (1872.) 8vo, 12s. \$4.80. The same, Caa—Mb.
Lond. 1876. 8vo, \$3.50.
- 1332 **Hull, E. C. P.** Coffee planting in Southern India and Ceylon. N. Y. (1877.) Cr. 8vo, \$3.50. Sai.
- 1333 **Hull, F. R. S.** Building stones. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1333a **Hulme, E.** Examples for fretcutting and wood carving. I: Fretcutting; II: Carving in relief; III: Design. 1 vol. 24 pl. (N. Y.) n. d. La. fol., bds. \$3.00. Cag.
- 1333b **Hulme, E.** Principles of ornamental art: 431 designs. (N. Y.) n. d. 4to, \$12.00. Cag.
- 1334 **Husmann, Geo.** Grapes and wine: cultiv. of the native grape and manuf. of Am. wine. N. Y. n. d. \$1.00. Ak—Ed.
- 1335 **Hyatt, A.** About pebbles. Bost. 1879. Pap. 10c. Haa.
- 1336 **Hyatt, A.** Commercial and other sponges. Bost. (1879.) Pap. 20c. Haa.
- 1337 **Hyde, Jas.** Science of cotton spinning; prac. arranged and simplified. Lond. 1867. 8vo, \$5.00. Bb—Va.
-
- 1338 **Immish, W.** Prize essay on the balance spring and its technical adjustments. Illus. Lond. n. d. Cr. 8vo, 2s 6d. \$1.00. Sai.
- 1338a **Indigo Table,** showing the approximate cost laid down in London, charges included, of indigo, bought in Calcutta at from 100 Rs. to 300 Rs. per factory maund. Exchange from 1s 7d. to 1s 10d per Rupee. Lond. n. d. 10s 6d. Bab.
The charges include buying, brokerage, commission, negotiating, fire insurance, marine insurance; also the usual charges for packing, marking, shipping, freight of samples, telegrams, petties, freight per steamer, landing charges in London, and warehouse rent for three months.
- 1339 **Industrial classes and indus. statistics, (The).** By G. P. Bevan. Uniform with "Brit. Manufac. Ind." W. maps, 2 vols. Lond. n. d. P. 8vo, sold separately, 3s 6d. each. Sal.
- 1340 **Instructions in wood carving for amateurs, with hints and designs.** By a lady. W. 10 large pl. Lond. 1868. 8vo, pap. 2s 6d. \$1.00. Caa—Lp.
- 1341 **Ireland, J.** The oilman's calculator. N. Y. 1876. Cr. 8vo, \$3.00. Sai.
-
- 1342 **Jacquemart, A.** History of furniture. Lond. 1878. Roy. 4to, 31s 6d. \$10.00. Ch—Si.
- 1343 **Jacquemart, A.** History of the ceramic art; 2d ed. Illus. Lond. (1877). 28s and 42s. \$10.00 and \$15.00. Lab—Si.
- 1344 **Japanese Pottery.** Being a native report, ed. by A. W. Franks. Illus. S. K. A. H. Lond. (1884.). La cr. 8vo, 2s 6d. Ch.
- 1345 **Jarmain, G.** Wool dyeing. 6 lectures. Lond. 1876. 75c. Bb—Ru—Sae.

- 1346 **Jewitt, L.** History of ceramic art in Great Britain. 2 vols. Lond. 1877.
Roy. 8vo, 52s 6d. \$18.00. Si—Ve.
- 1346a **Johnson, Prof.** Book of useful receipts and manufacturers' guide. N. Y.
(1877). 8vo, pap. 25c. Hu.
- 1347 **Johnson, S. W.** Peat and its uses. N. Y. n. d. 12mo, \$1.25. Va.
- 1348 **Jones, Owen.** Grammar or ornament. 112 col. pl. Lond. 1864. Folio
\$18.00. Q—Va.
- 1349 **Jonquet, A.** Original sketches for art furniture in the Jacobean, Queen
Anne, and other styles. 2d ed. Lond. (1879) 1880. Folio 25s, \$10.00.
Bi—Cag—Va.
-
- 1350 **Kaestner, C.** Textile designs. Nos. 1 to 6. N. Y. (1878). No. 1—4 ea.
30c., Nos. 5, 6 ea. 40c. Ap.
- 1351 **Keene, J. B.** Handbook of practical gauging: for beginners, with a chap-
ter on distillation, descr. the process in operation at the Custom
House for ascertaining the strength of wines. Phila. n. d. 12mo, \$1.25.
Bb.
- 1352 **Kemlo, F.** Watch repairer's handbook: complete guide to the beginner.
New ed. Illus. Bost. (1869) 1872. 12mo, \$1.25.
Bb—Da—Hm—Mu—Sai—Va.
- 1352a **Kentish, Thom.** Treatise on a box of instruments. 4th ed. Lond. (1858)
1872. 12mo, \$1.25. Bb—Cag.
- 1353a **King, C. W.** Natural history, ancient and modern, of precious stones, and
gems, and of the precious metals. Lond. n. d. 12mo, \$2.50. Bm—Va.
- 1353b **King, C. W.** Antique gems and rings, their origin, use and value. New
ed. 2 vols. Illus. Lond. 1872. Roy. 8vo, 42s, \$15.00. Bm—Va.
- 1354 **Kingston, W. H. G.** Snow-shoes and canoes; or, the early days of a fur-
trader in the Hudson Bay Terr. Illus. Phila. 1876. Sm. 4to, \$2.50.
Li.
- 1355 **Kingzett, Ch. Th.** History, products, and processes of the alkali trade:
includ. the most recent improvements. Illus. Lond. 1877. 8vo, \$2.50.
Bb—Mu—Va.
- 1356 **Kinsley, Chas.** Self-instructor on lumber surveying: for lumber manuf.
surveyors, etc. 2d ed. Phila. (1870) 1873. 12mo, \$2.00. Bb—Cag—Mu.
- 1357 **Kippax, J. R.** Churchyard literature: choice coll. of Am. epitaphs. Chic.
(1876). 12mo, \$1.50. Gai.
- 1357a **Kittredge, A. O.** Metal worker's pattern book: pattern making as applied
to sheet metal work. Illus. N. Y. n. d. 4to, \$5.00.
Caa—Mu—Va—Wal.
- 1358 **Kruesi's** Textile designs, for calico and other print goods, carpets, wall
paper, silks, laces, cashmeres and the like, by Prof. C. Kaestner. N. Y.
(1878.) 6 Nos., ea. 35c. Ap.
-
- 1359 **Lacombe, M. P.** Arms and armour, in antiquity and the middle ages.
Also a descrip. notice of modern weapons. From the French, and an
add. chapter on arms and armour in England. Illus. N. Y. 1876. 12mo,
\$1.50. Se.
- 1360 **Lacour, P.** On the manufacture of liquors, wines and cordials, without the
aid of distillation. Also the manuf. of effervescing beverages and syrups,
vinegar and bitters. Prep. expressly for the trade. N. Y. (1863). 12mo,
\$2.50. Di.
- 1361 **Lacroix, P.** The eighteenth century: manners, customs, and costumes, of
the 18th century, in France, 1700—1789. Illus. N. Y. n. d. Imp. 8vo, clo.
\$12.00, half mor. \$15.00, mor. \$18.00 and \$25.00. Ap.
- 1362 **Ladies' crochet manual:** handbook of crochet, useful and ornamental,
B. H. B. N. Y. n. d. Pap. 15c. Hu.
- 1362a **Ladies' work box companion:** handbook of knitting, netting, tatting and
Berlin work. N. Y. n. d. Pap. 10c. Hu.
- 1362b **Landa's fancy alphabets.** N. Y. n. d. Clo. \$1.00. Ed—Mu.
- 1363 **Langewald.** Latest practical method for self-acquirement of the science
of weaving; also the manufacture of woollen cloth. W. pl., of which are 8
harness weaves. (Phila.) n. d. 4to, \$10.00. Bb.
- 1364 **Langewald.** Tables to lay out lots for warps, dressing reeds, etc. (Phila.)
n. d. \$1.00. Bb.

- 1365 **Laslett, Th.** Timber and timber trees, native and foreign. Illus. N. Y. 1875. Cr. 8vo, \$3.50. Mb.
- 1366 **Lathe (The), and its uses; or, instruc. in the art of turning wood and metal.** Illus. 3d ed. N. Y. n. d. 8vo, \$6.00. Mu—Wag.
- 1367 **La Vanguyon, Mme. B. de.** Guide to painting on porcelain and earthenware. Bost. (1878). 16mo, bds. 40c. Fd.
- 1368 **Lee, Wm.** Tables of the strength and deflection of timber. Lond. 1850. P. 8vo, 60c. Sai.
- 1369 **Leavitt, T. H.** Facts about peat as an article of fuel, etc. 3d ed. Bost. 1867. 12mo, \$2.00. La—Va.
- 1370 **Leigh, E.** Science of modern cotton spinning. Embracing mill-archit., machinery for cotton ginning, opening, scutching, preparing and spinning, with the latest improvements. 4th ed. 2 vols. Illus. Lond. n. d. \$35.00. Bb.
- 1371 **Leroux, Ch.** Practical treatise on the manufacture of worsteds and carded yarns: practical mechanics, with rules and calcul. applied to spinning; sorting, cleaning, and scouring wools; the English and French methods of combing, drawing, and spinning worsteds and manufacturing carded yarns. From the French. With an appendix, cont. extracts from the reports of the Intern. Jury, on woollen and worsted machinery and fabrics, as exhib. in the Paris Univ. Expos. 1867. Illus. Phila. 1869. 8vo, \$5.00. Bb—Va.
- 1372 **Lienard's** specimens of decoration and ornamentation. 127 plates, size 10x16. N. Y. n. d. Portfolio \$12.00, red. \$9.00. Caa—Cag—Oa—Wal.
- 1373 **Lindsey, G.** Pens and Papiermache; ammunition, percussion caps and cartridges, anchors and chain cables. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1374 **Linton, W. J.** Some practical hints on wood-engraving for the instruction of reviewers and the public. Bost. 1879. Sq. 16mo, \$1.25. La.
- 1375 **Lock, A. G. and C. G.** Pract. treatise on the manuf. of sulphuric acid. W. pl. Lond. 1879. 8vo, \$7.50. Mu—Sai—Va.
- 1376 **Lockwood, M. C.** Handbook of ceramic art. N. Y. (1878). 16mo, \$1.00. Paa.
- 1377 **Lockwood, M. S. and Glaister, E.** Art embroidery. Lond. 1878. 4to, 2ls. \$10.50. Si.
- 1378 **Loftus.** The malster: art of malting in all its branches. Rev. ed. Lond. 1876. 12mo, 3s 6d. \$1.50. Bb—Lu.
- 1379 **Loubat, Alph.** American vine-dressers' guide. New and rev. ed. . N. Y. (1872). 16 mo, \$1.50. Ap—Mu.
- 1380 **Love, Th.** Art of dyeing, cleaning, scouring and finishing, on the most approved English and French methods. 2d Am. ed. Phila. 1868. 8vo, \$5.00. Bb—Mu—Va.
Containing: practical instruc. in dyeing silks, woollens, and cottons, feathers, chips, straw, etc.; scouring and cleaning bed and window curtains, carpets, rugs, etc. French and English cleaning, for any color or fabric of silk, satin, or damask; to which are added gen. instruc. for the use of aniline colors.
- 1381 **Ludolphe, J. H.** Scrolls and ornaments: for car, carriage, fresco and other painters. N. Y. n. d. \$1.00. Ed.
- 1381a **Lukin, J.** Amateur mechanic's workshop: plain and concise directions for the manipulation of wood and metals, includ. casting, forging, etc. by the author of "Lathe and its uses." 6th ed. Illus. Lond. 1873-8. 8vo, 6s. \$3.00. Bb—Tr.
- 1382 **Lukin, J.** Turning lathes: guide to turning, screw cutting, metal-spinning, etc. Illus. Lond. 1879. Cr. 8vo, 2s 6d. \$1.00. Go—Sai.
- 1383 **Lyon, L.** Treatise on lightning conductors. Comp. from standard authorities. N. Y. 1853. 12mo, \$2.00. Va.
- 1384 **McDannell, D. J.** Practical painter and instructor: art of modern painting, varnishing, etc. Chic. 1868. 16mo, \$2.50. Caa.
- 1386 **McLennan.** Comparative yarn tables. Glasgow 1883. 50c. Bb.
- 1387 **Manley, J. J.** Salt, preserved provisions, bread, biscuits. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1388 **Mansfield, C. B.** Aerial navigation. The problem, with hints for its solution. N. Y. (1877, \$5.00) n. d. \$3.50. Mb.

- 1389 **Manual** of hair ornaments: for jewelry or souvenirs. Illus. N. Y. n. d. 18mo, pap. 50c. Ed.
- 1390 **Marion, F.** Wonderful balloon ascents. Illus. N. Y. 1874. 12mo, \$1.25. Se.
- 1391 **Maskell, Wm.** Ivories: ancient and mediaeval. Illus. S. K. A. H. Lond. (1884). La cr. 8vo, 2s 6d. Ch.
- 1392 **Maskell, W.** Ivories, ancient and mediaeval. Illus. S. K. Cat. Lond. n. d. Roy. 8vo, $\frac{1}{2}$ bd. 21s. Ch.
- 1393 **Masury, J. W.** Am. grainers' hand-book: pop. and prac. treatise on imitating colored and fancy woods. Illus. N. Y. 1872. 8vo, \$1.50. Ap—Caa.
- 1394 **Masury, J. W.** How shall we paint our houses? Pop. treatise on house painting. N. Y. (1868). 12mo, \$1.50. Ap—Sai—Va.
- 1395a **Mintorn, J. H.** Lessons in flower and fruit modelling in wax. Illus. Lond. n. d. 16mo, \$1.50. Rw.
- 1395b **Mintorn, J. H.** Modelling in leather. Illus. Lond. n. d. 16mo, bds. 50c. Rw.
- 1395c **Mintorn, J. H.** Hand-book of paper flower making. Illus. Lond. n. d. 16mo, bds. 50c. Rw.
- 1395d **Modern** decorative painting. Examples for fresco and mural painting, in chromo-litho., with stencils and pounce patterns in natural size. 8 parts; size 11x16. (N. Y.) n. d. Fo. ea. \$2.50. Cag.
- 1395e **Modern** surface ornament. 24 pl. N. Y. n. d. Folio in portfolio \$6.00 red. \$5.00. Oa.
- 1396 **Mogford.** Instruction for cleaning, repairing, lining, and restoring oil paintings. 6th ed. Lond. 1867. 12mo, pap. 40c. Va.
- 1397 **Mockhoven, D.** Photographic optics, includ. the description of lenses and enlarging apparatus. Illus. Lond. 1867. 12mo, \$3.00. Va.
- 1398 **Money, Lt. Col.** Cultivation and manufacture of tea. 3d ed. Lond. 1881. 8vo, \$3.00. Va.
- 1399 **Monogram** and alphabet album. N. Y. 1878. 8vo, portfolio \$6.50. The same. N. Y. 1878. 8vo, \$5.00. Caa—S.
- 1400 **Monzert, L.** Independent liquorist; or, manuf. all kinds of syrups, bitters, cordials, champagne, wines, lager beer, ale, porter, beer, punches, tinctures, extracts, brandy, gin, essences, flavorings, colorings, sauces, catsups, pickles, preserves, etc. N. Y. n. d. 12mo, \$3.00. Di.
- 1401 **Moore, B.** Universal assistant: hand-book of 50,000 industrial facts, processes, rules, formulæ, receipts, business forms, tables, etc., in over 200 trades and occupations. New rev. ed. Illus. Lond. n. d. 18mo, \$2.50 leather \$3.50. Bb—Cag—Hm—Mu—Wb—Wal.
- 1402 **Morfit, C.** Prac. treatise on the manufacture of soaps. Illus. (Phila.) 1856. 8vo, \$15.00. Wag.
- 1403 **Moss, J.** Cotton manufacturer's, manager's and spinner's new pocket guide. 3d ed. Lond. 1861. 12mo, 2s 6d. \$1.00. The same, 4th ed. Lond. 1876. P. 8vo, 3s 6d. Bb—Hac—Lab.
- 1404 **Munsell, J.** Chronology of paper and paper making. 5th ed. with add. Albany (1877). 12mo, \$2.00. Mv.
- 1405 **Murphy.** Treatise on the art of weaving. W. calculations and tables. 8vo. Glasgow 1827. Scarce. \$20.00. Bb.
- 1406 **My** vineyard at lakeview. N. Y. n. d. 12mo, \$1.25. Ju.
An account of the processes actually followed in celebrated grape regions in Western New York, and on the shores and islands of Lake Erie.
-
- 1407 **Napier, J.** Manual of dyeing and dyeing receipts. 3rd ed. Illus. with specimens. Lond. 1875. 8vo, 21s. \$9.00, \$10.00. Bb—Gaf—Va.
- 1408 **Napier, J.** Manual of electro-metallurgy, with the application of the art to manufacturing purposes. 5th ed. Lond. 1876. 12mo, \$3.00. Mu—Va.
- 1409 **Napier, J.** System of chemistry applied to dyeing, brought up to the present state of the science, includ. the chemistry of coal tar colors, by A. A. Fesquet. W. appendix on dyeing and calico printing, as shown at the Universal Exposition, Paris, 1867. Illus. New rev. ed. Phila. 1869. 8vo, \$5.00. Bb—Mu—Va.
- 1410 **Nelthropp, H. L.** Treatise on watchwork, past and present. Illus. Lond. 1873. Cr. 8vo, \$2.50. Mu—Sai.

- 1411 **Newberry, Rob.** Gleanings from ornamental art of every style: from examples in the British, South Kensington, Indian, Crystal Palace, and other museums, the exhibitions of 1851 and 1862, and the best English and foreign works. W. 100 pl. Lond. 1863. 4to, 30s, \$12.50.
Bb—Cag—Sai—Va.
- 1412 **Nesbitt, A.** Glass. Illus. Lond. (1884). La. cr. 8vo, 2s 6d. Ch.
- 1413 **Nesbitt, A.** Glass vessels. Illus. S. K. Cat. Lond. Roy. 8vo, $\frac{1}{2}$ bd. 18s. Ch.
- 1414 **Newton, Chas. M.** Practical weaver for the benefit of those who have a desire to educate themselves. (Phila.) n. d. 50c. Bb.
- 1415 **Newton, Chas. M.** Practical spinner. (Phila.) n. d. 50c. Bb.
- 1416 **Newton, Chas. M.** Practical carder. (Phila.) n. d. 50c. Bb.
- 1417 **Nichols, G. W.** The Cincinnati organ. Illus. Cinc. (1878). 16mo, pap. 25c. Caa.
- 1418 **Nichols, G. W.** Pottery: how it is made, its shape and decoration; instruc. for painting on porcelain and pottery. Illus. N. Y. (1878). 12mo, \$1.25. Paa.
- 1419 **Nicholson, J. B.** Manual of the art of bookbinding: full instruc. in the different branches of forwarding, gilding, and finishing; also the art of marbling book edges and paper. 3d ed. Illus. Phila. 1874. 12mo, \$2.25. Bb—Mu—Sai—Va.
- 1420 **Nordhoff, Chas.** The cotton states in 1875. N. Y. n. d. 8vo, pap. 50c. Ap.
- 1420a **Norman, John P.** Treatise on the law and practice relating to letters patent for inventions. (Law Library.) Phila. 1853. 8vo, \$2.50. Je.
- 1421 **Northcott, W. H.** Treatise on lathes and turning; simple, mechanical, and ornamental. Illus. Lond. 1868. 8vo, \$6.25. Lw—Mu—Va.
- 1422 **O'Neill, Ch.** Dictionary of dyeing and calico printing: substances and processes in use in the art of dyeing and printing textile fabrics; with practical receipts and scientific information. With an essay on coal tar colors and their applic. to dyeing and calico printing, by A. A. Fesquet, and an appendix on dyeing and calico printing, as shown at the Universal Exposition, Paris, 1867. Phila. 1869. 8vo, \$5.00. Bb—Mu—Va.
- 1423 **O'Neill, Ch.** Practice and principles of calico printing, bleaching, dyeing, etc. 2 vols. Manchester. 1878. 8vo, \$15.00. Bb.
- 1424 **O'Neill, Ch.** Textile colourist: monthly journal of bleaching, dyeing and finishing textile fabrics, and the manufacture and application of colouring matters, ed. by Charles O'Neill. Illus. by pl. and dyed patterns of fabrics. Jan. 1876, to Dec. 1877. 4 vols. Manchester, 1876, '77, 8vo. \$30.00. Bb.
This is a complete set, being all that was ever published, and is scarce and very valuable.
- 1425 **Ornamental (The) penman:** engraver's, sign-writer's, stone cutter's pocket-book of alphabets. Lond. 1879. Sq. 16mo, 6d. 20c. Mu—Sai—Va.
- 1426 **Owen, D.** Fustian manufacturing: complete guide how to loom; analysing cloth, etc., by a practical man. Manchester n. d. \$1.00. Bb.
- 1426a **Owen, D.** The Fustian manufacturer's indispensable companion. Lond. n. d. \$1.00. Bb.
- 1427 **Pallett, H.** Miller's, millwright's and engineer's guide. Illus. Phila. 1878. 12mo, \$2.00., \$3.00. Bb—Va.
- 1428 **Pasley, C. W.** Observations on limes, calcareous cements, mortars: stuccos and concrete, and on puzzolanas, natural and artificial, etc. Lond. 1847. \$3.60. Caa.
- 1429 **Pasteur, L.** Studies on fermentation: diseases of beer, their causes and means of preventing them. Trans. w. notes, etc., by L. Faulkner and D. C. Robb. Illus. Lond. 1879. 8vo, \$6.00. Bb—Mb—Mu—Va.
- 1429* **Penn, S. and Ryberg, A. W.** Tables showing the weight of different lengths of round, square, flat, bar and cast iron, and of steel, brass, copper, lead, tin and zinc, etc. Lond. n. d. 8vo, 2s. Bab.
- 1429a **Percy, John.** Manufacture of Russian sheet iron. Illus. Lond. 1871. 8vo, pap. 50c. Bb.
- 1430 **Pettigrew, T. J.** Chronicles of the tombs: select collection of epitaphs, with an essay on epitaphs, and other monum. inscrip. and incidental observations on sepulchral antiquities. Bohn. Lib. Lond. n. d. 12mo, 5s. \$1.75. Bm—Ln.

- 1431 **Pettigrew, J. B.** Dissertation on aeronautics. Illus. N. Y. n. d. 12mo, \$1.75. Ap.
- 1432 **Phillips, J. A.** Copper. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1432a **Phin, J.** Lightning rods: plain directions for the construction and erection of lightning rods. Illus. N. Y. n. d. o. o. p. and scarce, 75c. Cag—Ib.
- 1433 **Phin's** open air grape culture; or, garden and vineyard culture of grapes and wine: complete prac. treatise on the vine and the fruit. New rev. ed. N. Y. 1876. 12mo, \$1.00. Ak—Ed—Ju.
- 1434 **Piesse.** Chemistry in the brewing room, being the substance of a course of lessons to practical brewers, with tables of alcohol, extract and original gravity. (Phila.) 1877. 12mo, \$2.50, 5s. Bb—Tr.
- 1435 **Pistol** as a weapon of defence, in the house and on the road. N. Y. 1875. 12mo, 50c. Ib.
- 1436 **Pitt, J.** How to brew good beer: complete guide to the art of brewing ale, table ale, brown stout, porter. Lond. 1864. 12mo, \$2.00. The same, 2d ed. Lond. 1865. 12mo, 4s 6d. Lw—Va.
- 1437 **Planche, J. R.** History of British costume, from the earliest time to the close of the 18th century. Illus. (Bohn Lib.) Lond. n. d. 12mo 5s, N. S. \$1.75, \$2.00. Bm—Ln—Si.
- 1438 **Plumbing** and house drainage: problems from the "Sanitary Engineer." Illus. N. Y. n. d. 8vo, \$2.00. Mu—Wal.
- 1439 **Pollen, J. H.** Ancient and modern furniture and woodwork. Illus. S. K. A. H. Lond. n. d. La. cr. 8vo, 2s 6d. Ch.
- 1440 **Pollen, J. H.** The same, S. K. Cat. Lond. n. d. Roy. 8vo, ½ mor. £1. 1. Ch.
- 1441 **Pollen, J. H.** Furniture and woodwork. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1442 **Pollen, J. H.** Gold and silversmith's work. Illus. S. K. A. H. Lond. n. d. La. cr. 8vo, 2s 6d. Ch.
- 1443 **Pollen, J. G.** The same. Illus. S. K. Cat. Lond. n. d. Roy. 8vo, ½bd. £1. 6s. Ch.
- 1444 **Pooley, T.** Brewing and distilling. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1444a **Posselt, E. A.** The Jacquard machine analyzed and explained, w. appendix on the preparation of Jacquard cards and practical hints to learners of Jacquard designing. Illus. Phila. n. d. 4to, \$5.00, red. \$3.00. Bb.
- 1445 **Potter, T.** Concrete: its uses in building. Illus. (N. Y.) 1877. 8vo, \$1.75, Caa.
- 1447 **Prang's** standard alphabets. Collection of alphabets in the best ancient and modern styles, designs for titles, colored initials, borders, compass points, topographical signs, the state arms of the Union, etc. Especially adap. for sign painters, engravers, etc. 42 pl., 14 of which are in color. Bost. 1878. Obl. 8vo, \$5.00. Cag—Mu—Pp—Va.
- 1448 **Prescott, A. B.** Chemical examination of alcoholic liquors: manual of the constituents of the distilled spirits and fermented liquors of commerce, and their qualitat. and quantitat. determin. N. Y. 1875. 12mo, \$1.50. Bb—Mu—Va.
- 1449 **Prescott, H. P.** Strong drink and tobacco smoke: the structure, growth, and uses of malt, hops, yeast, and tobacco. Illus. (Lond.) 1869. 8vo, \$3.00. Va.
- 1450 **Prize-essays** on practical brewing, etc., reprinted from "Holmes' Trade Gazette". (Leeds) 1879. 12mo, \$2.50. Bb.
- 1450a **Prize-essays** on practical brewing, etc. 2d series, reprinted from the "Brewing Trade Gazette". (Leeds) 1882. 12mo, \$2.50. Bb.
- 1451 **Prime, W. C.** Pottery and porcelain of all times and nations; with tables of factory and artists' marks for collections. Illus. N. Y. (1877). 4to, \$7.00, ½ calf \$9.25. Hd—Mu.
- 1452 **Putnam, J. P.** Improv. plumbing appliances. Illus. N. Y. n. d. 8vo, \$1.50. Cag—Wal.
- 1453 **Rack, John.** French wine and liquor manufacturer: prac. guide and private receipt book for the Am. liquor merchant. Illus. N. Y. n. d. 12mo, \$3.00. Di—Mu—Va.

- 1454 **Rankine**. Manual of machinery and mill work. (Phila.) n. d. 12mo, \$5.00. Bb.
- 1454a **Read, Geo.** Confectionery, pastry, preserving. Lond. Cr. 8vo, clo. 1s 6d. Dd.
- 1455 **Redding, C.** History and descriptions of wines, ancient and modern. Illus. (Bohn Lib.) Lond. n. d. Cr. 8vo, 5s. \$1.75. \$2.00. Bm—Li—Ln.
- 1456 **Reemelin.** Wine-maker's manual. Illus. Cine. 1868. 12mo, \$1.25. Bb—Caa.
- 1456a **Regnault, M. V.** Elements of chemistry. Trans. by T. F. Betton, w. notes by J. C. Booth and L. Faber. Illus. 2 vols. Phila. 1874. 8vo, \$7.50. Bb.
- 1457 **Reid, D. B.** The science and art of the manufact. of Portland cement. (Lond.) 1879. 8vo, \$7.25. Caa—Mu—Sai—Va.
- 1458 **Reid, H.** Prac. treatise on concrete, and how to make it: with observ. on the uses of cements, limes, and mortars. (Lond.) 1869. 12mo, \$1.50. Caa—Mu.
- 1459 **Reid, H.** Prac. treatise on natural and artificial concrete: its varieties and constructive adaptations. New ed. Illus. (Lond.) 1879. 8vo, \$6.00. Caa—Mu—Sai—Va.
- 1460 **Reid, Thos.** Treatise on clock and watch making: theoret. and prac. N. Y. 1832. 8vo. (Published at \$2.25). Scarce, no price. Va.
- 1461 **Reimann, M.** Aniline and its derivatives: treatise upon the manuf. of aniline and aniline colors; with the report on the coloring matters derived from coal tar, as shown at the French Exhibition, 1867. By Dr. Hoffmann. Ed. by Wm. Crookes. N. Y. 1868. 8vo, \$2.50. Bb—Va—Wag.
- 1462 **Riano, J. F.** Industrial arts in Spain. Illus. S. K. A. H. Lond. n. d. La. cr. 8vo, 4s. Ch.
- 1463 **Richards, J.** On the arrangement, care and operation of wood-working factories. Illus. Lond. 1872. 12mo, \$1.50. Sai—Va.
- 1464 **Richards, J.** Wood conversion by machinery. Lond. 1876. Cr. 8vo, \$1.50. Sai.
- 1465 **Richardson, B. W.** Alcohol, its actions and its use. 6 lectures. Lond. 1875. 75c. Ru—Sae.
- 1466 **Richardson, W.** Packing-case tables: showing the superficial feet in boxes or packing-cases from six inches square and upwards. 2d ed. Lond. 1878. 4to, 3s 6d. \$1.40. Lp—Va.
- 1466a **Richardson, W.** Pocket calculations for the use of timber merchants, etc. Lond. 1874. P. 8vo, 4s. Ka.
- 1467 **Richardson, W.** Practical timber merchant: guide for the use of building contractors, surveyors, builders, etc.; comprising useful tables for the timbertrade, marks of wood, essays on the strength of timber, remarks on the growth of timber, etc. Lond. 1876. 8vo, 3s 6d. \$1.40. Caa—Lp.
- 1468 **Richardson, Wm.** The timber importers' and shipowners' freight book. Lond. 1873. Cr. 8vo, 6s. Lp.
- 1469 **Riffault, Vergnand and Toussaint.** Practical treatise on the manufacture of colors for painting. Compris. the origin, definition, etc. of colors; the raw materials, formulae and processes for the preparation of pigment, etc., trans. by A. A. Fresquet. Illus. Phila. 1874. 8vo, \$7.50. Bb—Cag—Mu—Sai—Va.
- 1470 **Rimbault, E. F.** Musical instruments. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1470a **Robinson, J. B.** Architectural foliage for enrichment of buildings, monuments, furniture, etc. 36 pl. 10½x12½. N. Y. n. d. Portfolio \$3.00, red. \$2.00. Cag—Oa.
- 1471 **Rock, D.** Textile fabrics. Illus. S. K. A. H. Lond. n. d. La. cr. 8vo. 2s 6d. Ch.
- 1472 **Rock, C.** The same. Illus. S. K. Cat. Lond. n. d. Roy. 8vo, ½ mor. £1. 11. 6. Ch.
- 1473 **Rogers, G. A.** Art of wood-carving: prac. hints to amateurs, and a short history of the art. Lond. 1867. 16mo, pap. (5s.) 50c. The same, 3d ed. Lond. 1871. 12mo, 2s 6d. Va—Ve.
- 1474 **Rood, O. N.** Text-book of color: modern chromatics, with applic. to art and industry. Illus. N. Y. 1879. 12mo, \$2.00. Ap—Tu.
- 1475 **Rowlett, Wm. T.** Technology of framework knitting for technical

- schools and self-instruction, trans. With 2 atlases, of 24 pl. (Leicester) 1886. \$15.00. Bb.
- Part I: Hand frames and hand warp looms, and exam. of looped fabrics. Part II: Power frames and warp looms, manner of forming framework knitted articles, and seaming of hosiery.
- 1476 **Royce, A. P.** Collection of scrolls and ornaments, suitable for painters, ornamenters, designers, engrav., lithog., etc. W. pl. N. Y. (1878.) Obl. Svo, pap. \$1.00. Wal.
- 1477 **Russell, W.** Scientific horse-shoeing, for different diseases of the foot. Illus. Cinc. (1879). 8vo, \$1.00. Caa.
- 1477a **Ryan, H.** Rough sketches from nature: natural foliage and flowers for the use of designers in ornament and the arts. 50 pl. 10½x15½. N. Y. n. d. Pfolio, \$5.00, red. \$2.00. Oa.
- 1478 **Sanders, J.** Practical treatise on the culture of the vine. 3d ed. Lond. n. d. 8vo, clo. 5s. Hal.
- 1479 **Sauzay, A.** Wonders of glass making in all ages. Illus. N. Y. 1870. 12mo, \$1.00. Se—Va.
- 1480 **Scheibler, H.** Essay on the theory and practice of tuning in general, and on Scheibler's invention of tuning pianofortes and organs by the metro-nome in particular; with an appendix containing a description of Scheibler's tuning rings for organ pipes, and the string chronometer. Lond. n. d. Sm. 8vo, 1s. Cad.
- 1480a **Schreiber.** Gothic ornament. 5 parts, w. 3 col. pl. 11x15. (N. Y.) n. d. ea. \$1.25. Cag.
- 1481 **Schultz, J. S.** Leather manufacture in the U. S.: on the methods and economies of tanning, with Skeel, Th. Report on the relative economies of burning wet spent tan. Illus. (N. Y.) n. d. 8vo, ½ mor. \$5.00. Sai.
- 1482 **Schultze, P.** Designs for monuments. N. Y. n. d. 4to, bds. \$5.00. Va.
- 1482a **Schurth, E.** Fresco stencil decoration. 8 parts. W. pl. and patterns in natural size. (N. Y.) n. d. Fo. ea. \$1.50. Cag.
- 1483 **Schuetzenberger, P.** On fermentation. Illus. I. S. S. N. Y. 1876. 12mo, \$1.50. Ap—Bb—Mu—Tu.
- 1484 **Scott, W. B.** Ornamental designs for brass, iron, and glass-work, earthen-ware, etc. Edinburgh, n. d. 4to, \$10.00. Va.
- 1485 **Scott, R.** Pract. cotton spinner and manufacturer. 9th ed. Lond. n. d. 8vo, 12s. \$6.00. Bb—Su.
- 1486 **Scribner, J. M.** Lumber and log-book: for ship-builders, boat-builders, lumber merchants, etc. N. Y. n. d. 24mo, bds. 35c. Ju.
- 1486a **Sewing made easy.** New and simple method of teaching sewing. Illus. Lond. n. d. 1s. Mo.
- 1487 **Shaw, H.** Examples of ornamental metal work. Lond. 1836. 4to, \$9.00. Va.
- 1488 **Sign, carriage, and decorative painting.** N. Y. n. d. 18mo. Pap. 50c. Ed—Mu.
- 1489 **Sign writing and glass embossing.** Illus. N. Y. n. d. 18mo, pap. 75c. Ed.
- 1490 **Siemens, C. Wm.** Fuel; also Wormald, J. Value of artificial fuel as compared with coal. V. N. S. S. N. Y. n. d. 18mo, bds. 50c. Va.
- 1491 **Simmonds, P. L.** Coffee and chicory: culture, composition, preparation for the market, and consumption. Illus. Lond. 1864. P. 8vo, 1s. Sai.
- 1492 **Simmonds, P. L.** Commercial products of the sea; or marine contrib. to food, industry and art. N. Y. 1879. 12mo, \$1.75. Ap—Mu—Va.
- 1493 **Simmonds, P. L.** Commercial dictionary of trade products. Lond. n. d. 16mo, cloth, \$1.25; ¼ calf \$3.00; tree calf \$5.00. R. W.
- 1494 **Simmonds, P. L.** Fibres and cordage. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1495 **Simmonds, P. L.** Hops: cultivation, commerce, and uses in various countries; manual of reference for the grower, dealer, and brewer. Lond. n. d. Cr. 8vo, \$1.75. Sai.
- 1496 **Sims, T.** Dyeing and bleaching. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1497 **Skertchly, B. J.** Manufac. of gun flints, the methods of excavating for flint, etc. Illus. Lond. 1879. 8vo, pap. \$6.00. Va.
- 1497a **Small, J. W.** Ancient and modern furniture. W. pl. (N. Y.) n. d. 4to, \$10.00. Cag.

- 1498 **Smith, H. A.** Chemistry of sulphuric acid manufacture. Lond. 1873. Cr. 8vo, \$1.50. Sai.
- 1499 **Smith, Dav.** Dyer's instructor: prac. instruc. in the art of dyeing silk, cotton, wool, and worsted and woolen goods; with a treatise on the art of padding; and the printing of silk warps, skeins, and handkerchiefs, and the various mordants and colors for the different styles of such work. 6th ed. Phila. 1876. 12mo, \$3.00. Bb—Mu—Va.
- 1500 **Snively, J. H.** Treatise on the manufacture of perfumes and kindred toilet articles. Nashville 1877. 8vo, \$3.00. Bb—Mu—Saa—V.
- 1501 **Soap maker's manual:** plain and practical guide for the manufac. of plain and fancy soaps, washing fluids, medicinal soaps, toilet prepar., shaving soaps and creams, soap powders, etc. N. Y. n. d. 18mo, pap. 25c. Ed.
- 1502 **Southby.** Brewing, practically and scientifically. Lond. 1877. P. 8vo, 5s and 7s 6d. \$3.75. Bb—Mu—U.
- 1503 **Sparkes, J. C. L.** Hand-book to the practice of pottery painting. H. H. S. N. Y. (1878). 32mo, pap. 20c. Hd.
- 1504 **Sparks, J. C. L.** Hints to china and tile decorators. Illus. Bost. (1877). 16mo, 50c. Tb.
- 1505 **Stofford, Mrs. H. P.** Art decorations applied to furniture. Illus. N. Y. (1877). Sm. 4to, \$4.00. Hd.
- 1505a **Spon's dictionary of engineering, civil, mechanical, military, and naval, with technical terms in French, German, Italian and Spanish, ed. by Byrne and Spon.** Illus. Lond. 1874. Super Roy. 8vo, in 79 parts, and supplm. consisting of parts 80 to 97, see 865a, ea. 1s. 40c, in 8 divisions clo. ea. 13s 6d. \$5.00, in 3 vols. clo. 105s. \$40.00, in 3 vols. ¼ mor. \$50.00. Mu—Sai.
- 1506 **Spon, E.** Workshop receipts for use of manufacturers and mechanics, etc. 1st series. Illus. Lond. 1873. Cr. 8vo, 5s. \$2.00. Mu—Sai.
- 1507 **Stainer, J.** Music of the Bible, with acet. of mod. musical instruments from anc. types. Illus. N. Y. 1879. 12mo, \$1.50. Cd.
- 1508 **Standard scroll book (The):** designs for painters, jewellers, designers, decorators, and every branch requiring ornam. scroll work. N. Y. n. d. \$1.00. Ed.
- 1509 **Standard sign writer (The),** 2 parts. W. pl. N. Y. n. d. bds. \$2.00. Ed.
- 1510 **Steam heating problems.** From the "Sanitary Engineer." Illus. N. Y. n. d. 8vo, \$3.00. Wal.
- 1511 **Steele, J. P.** Am. watchmaker and jeweler. N. Y. 1868. 12mo, pap. 50c. Va.
- 1512 **Stevens, J.** Art of house painting. Designed to instruct and assist painters and others. N. Y. (1877). 18mo, 75c. Cag—Mu—Wag.
- 1513 **Stevenson, J.** The tradesman's ready calculator, for masons, wrights, plasterers, slaters, painters. Lond. n. d. 32mo, 25c. Rv.
- 1514 **Stewart, F. L.** Sorghum, and its products: account of recent investig. concerning the value of sorghum in sugar production, with a descrip. of the method of making sugar and refined syrup from the plant. Phila. 1867. 12mo, \$1.50. Cab—Li—Mi—Mu—Va.
- 1515 **Sutton, Th., and Dawson, G.** Dictionary of photography. New ed. Illus. Lond. 1867. P. 8vo, 8s 6d. \$3.00. Lab—Va.
- 1515a **Svedelius, G.** Charcoal burning: handbook for workman. (N. Y.) n. d. \$1.50. Mu.
- 1516 **T., R. S.** Sorrento wood carving: what it is; how to do it. (Bost.) 1870. 12mo. Pap. 25c. Caa.
- 1517 **Talbert, B. J.** Examples of ancient and modern furniture, metal work, tapestries, decorations, etc. Lond. 1877. Folio, \$15.00. Caa—Va.
- 1518 **Talbert, B. J.** Gothic forms applied to furniture, metal work and decora. for domestic purposes. 31 pl. (Bost.) 1873. Folio, \$15.00. Caa.
- 1519 **Tankard, S.** Practical yarn tables, for worsted, fancy and union yarns, from Nos. 1 to 144's (worsted counts) calculated to the nearest 16th of an ounce. (Bradford) 1884. 12mo, \$1.25. Bb.
- 1520 **Taxidermist's guide, or art of collecting, preparing, mounting and preserv- ing all kinds of animals, birds, etc.** Illus. N. Y. n. d. 16mo, pap. 25c. Hu.
- 1521 **Taxidermist's manual.** Illus. N. Y. n. d. 18mo, pap. 50c. Ed—Mu.

- 1522 **Templeton, Wm.** Millwright and engineer's companion, compris. water-wheels, pumps, and pumping engines, steam engines, tables, etc. 16th rev. ed. by S. Maynard. W. pl. N. Y. n. d. 12mo, \$2.00. Mu—Sai.
- 1523 **Teschemacher, E. F.,** and Smith, J. D. Estimation of phosphoric acid by Magnesia for commercial purposes. Lond. 1879. 8vo, 80c. Va.
- 1523a **Thomas, J.** Portfolio of Japanese sketches. Complete in 24 pl. 12x16. N. Y. n. d. P. folio \$3.00, red. \$1.00. Oa.
- 1524 **Thomas, J. J.** Farm implements and farm machinery. New enl. ed. Illus. N. Y. 1879. 12mo, \$1.50. Ju.
- 1525 **Thomas, R. W.** Modern practice of photography. Phila. 1868. 8vo, 75c. Bb.
- 1526 **Thomas, W. C.** Mural or monumental decoration. Lond. 1869. 8vo, 16s. \$6.00. Va—Wao.
- 1526a **Thomson, J.** Hats and felting: practical treatise on their manufacture. Illus. New ed. Phila (1864), 1868. 8vo, \$1.25. Bb—Mu.
- 1527 **Thompson, P.** Cabinet-maker's sketch book: original details for modern furniture. Glasgow 1860. 4to, \$22.50. Caa.
- 1528 **Thrupp, G. A.** History of the art of coach building. 5 lectures. Lond. 1876. 75c. Ru—Sae.
- 1529 **Thudichum, J. L. W.,** and Dupre, A. Treatise on the origin, nature, and varieties of wines: manual of viticulture and Oenology. Illus. N. Y. 1871. 8vo, \$6.00. Bb—Mb.
- 1530 **Thurber, Geo.** Hop culture: plain directions by experienced cultivators. Illus. N. Y. n. d. 8vo, pap. 30c. Ju.
- 1531 **Timbs, John.** History of wonderful inventions, from the mariners' compass to the electric telegraph cable. Illus. Lond. 12mo, \$2.00. Mu—Rw.
- 1532 **Tissandier, G.** History and handbook of photography, trans. by J. Thomson. Illus. N. Y. (1877). 12mo, \$2.50. Sd.
- 1533 **Tomlinson, Chas.** Warming and ventilation: concise expos. of warming and ventilating domestic and public buildings, etc. Lond. 1864. 12mo, \$1.20. Caa—Lp—Mu—Va—Wal.
- 1534 **Tomlinson, C.** Construction of door locks. Lond. n. d. 12mo, 60c. Lp—Va.
- 1535 **Tottie, C.** Designs for sepulchral monuments, with plans. Lond. n. d. 4to, \$5.00. Va.
- 1536 **Towler, J.** Silver sunbeam: prac. and theor. text-book on sun-drawing and photographic printing, comprehending all the wet and dry processes at present known. 6th ed. N. Y. 1879. 12mo, \$3.00. Va.
- 1537 **Trendall, E. W.** Monuments, cenotaphs, tombs and tablets, with details and working drawings. (N. Y.) n. d. 4to, \$7.50. Va.
- 1538 **True system (The)** of wood pavement. (N. Y.) n. d. 8vo, pap. 20c. Sai.
- 1539 **Turner's (The)** companion: instruc. in concentric, elliptic, and eccentric turning. Phila. 1872. 12mo, \$1.50. Bb—Cag—Mu—Va—Wal.
- 1540 **Turning:** specimens of fancy turning executed on the hand or foot lathe. By an amateur. Illus. by photo. (Phila.) n. d. 4to, \$3.00. Bb—Cag—Mu.
- 1541 **Ure, A.** Cotton manufacture of Great Britain, systemat. investig.; with a view of its compar. state in foreign countries. Rev. ed. by P. L. Simmonds. Illus. 2 vols. (Bohn Lib.) Lond. n. d. 12mo, 5s. each. Bm—Li—Ln—Si.
- 1542 **Ure, A.** Philosophy of manufactures: expos. of the economy of the factory system of Great Britain. Rev. ed. by P. L. Simmonds. (Bohn Lib.) Lond. n. d. 12mo, 7s 6d. \$2.65, \$2.75, \$3.00. Bm—Li—Ln—Si.
- 1543 **Ure, A.** Dictionary of arts, manufactures and mines, ed. by Robt. Hunt. 7th ed. enl. and re-written. 4 vols. Lond. 1878. Clo. \$15.00, shp. \$18.00, ½ mor. \$24.00. The same, 3 vols. Illus. \$25.00. Ap—La—Mu—Va.
- 1544 **Use of colors:** treatise on the properties of different pigments, etc. N. Y. n. d. 18mo, pap. 25c. Ed.
- 1545 **Van der Burg, A. R. and P.** School of painting: for the imitation of woods and marbles. Illus. and pl. Lond. 1878. Fol., bd. £2. 12. 6. Lp.
- 1546 **Van Monckhoven, D.** Pop. treatise on photography, trans. by W. H. Thornthwait. Lond. 1863. 12mo, 1s 6d. 60c. Lp—Va.

- 1547 **Ville, Geo.** School of chemical manures: principles in the use of fertilizing agents. Trans. by A. A. Fresquet. Illus. (Phila.) n. d. 12mo, \$1.25. Bb—Ju.
- 1548 **Vine Manual (The)**, or instructions for the cultiv. of the grape vine, by contrib. to the Journal of horticulture. 4th ed. Lond. n. d. Fcap. 8vo, 2s 6d. Hal.
- 1549 **Vizetelly, H.** Facts about champagne and other sparkling wines. Collec. during visits to the champagne and other viticult. districts of France, and the principal wine-producing countries of Europe. Illus. Lond. 1879. 8vo, pap. 1s 6d. 75c; clo. 2s 6d, \$1.00. Bb—Vi—Wb.
- 1550 **Vizetelly, H.** Facts about sherry, gleaned in the vineyards and bodegas of the Jerez, and other districts. Lond. 1877. 12mo, pap. 1s., clo. 1s 6d. Vi—Wb.
- 1551 **Vizetelly, H.** The wines of the world: characterized and classed. Lond. 1875. 12mo, pap. 1s. clo. 1s 6d. Vi—Wb.
- 1552 **Vogel, H.** Chemistry of light and photography. Illus. N. Y. 1875. 12mo, \$2.00. Ap—Va.
- 1553 **Vogel, H. W.** Progress of photography. Illus. Phila. 1863. 12mo, \$3.50. Va.
-
- 1554 **Wagner, Rud.** Handbook of chemical technology, trans. by Wm. Crookes. Illus. N. Y. 1872. 8vo, \$5.00. Ap—Mu.
- 1555 **Waldron.** Parallel yarn table for silk, cotton, worsted, woolen and linen, for manufac., dealers, spinners, weavers, etc. (Broadside) n. d. 25c. Bb.
- 1556 **Wallis, G.** Jewelry. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1557 **Walsh, M.** Brick making, chemical and geo. observa. rela. to brick making in Western India. Lond. n. d. 40c. Caa—Sai.
- 1558 **Wanklyn, J. A.** Tea, coffee and coca: prac. treatise on analysis of tea, coffee, cocoa, chocolate, etc. Lond. 1874. 12mo, \$2.00. Mu—Va.
- 1559 **Warn, R. H.** Sheet metal worker's instructor, for zinc, sheet-iron, copper, and tinplate workers, etc. Illus. Phila. 1870. 8vo, \$3.00. Bb—Hm—Mu—Va.
- 1560 **Warren, Mrs.** Elegant work for delicate fingers: designs for crochet work, knitting, netting and embroidery. Lond. n. d. Cr. 8vo, 1s. Hal.
- 1560a **Watch (The)**, and how to repair it. N. Y. n. d. \$1.00. Ed.
- 1561 **Watchmaker's and jeweler's manual:** watch and clock cleaning and repairing, tempering, making tools, compound, metals, alloys, plating, etc., w. plain instruct. for beginners. N. Y. n. d. 18mo, pap. 50c. Ed.
- 1562 **Watson, E. P.** A manual of the hand lathe: directions for working metals of all kinds, ivory, bone and precious woods; dyeing, coloring and French polishing; inlaying by veneers, and various methods. Illus. Phila. 1869. 12mo, \$1.50. Bb—Cag—Mu—Sai—Wal.
- 1563 **Watson.** Art of spinning and thread making, with calcul. and table for the use of the carding and spinning master. Glasgow, n. d. 8vo, \$5.00. Bb—Va.
- 1564 **Watts, I.** Cotton. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1565 **Weatherley, H.** Treatise on the art of boiling sugar, crystallizing, lozenge-making, comfits, gum goods, and other proc. for confection., etc. methods of manufac. raw and refined sugar goods, as sold by confection., etc. Phila. 1875. 12mo, \$1.50. Bb—Mu—Va.
- 1566 **Webb, E.** Warp sizing: practical, theort. and chemic. treatise. Manchester 1878. 8vo, 7s 6d. \$3.75. Bb—Hac.
- 1567 **Webber, S.** Manual of power for machines, shafts and belts, with the history of cotton manufacture in the U. S. N. Y. 1879. 8vo, \$3.50. Ap—Bb—Va.
- 1568 **Westwood, J. O.** Ivories: fictile. Illus. S. K. Cat. Lond. n. d. Roy. 8vo, $\frac{1}{2}$ bound, £1. 4. Ch.
- 1569 **Wheeler, J.** Madras vs. America: handbook to cotton cultivation. N. Y. 1866. 12mo, \$2.50. Va.
- 1570 **White, C.** Daguerrotypes. N. Y. n. d. Pap. 15c. De.
- 1571 **Willard, X. A.** Practical butter book: butter making at factories and farm dairies, includ. plans for dairy-rooms and creameries, dairy fixtures, utensils, etc. 2d ed. Illus. N. Y. 1875. 12mo, \$1.00. Ak—Ed—Ju—Mu—Rau.

- 1572 **Willard, X. A.** Practical dairy husbandry: dairy farms and farming; milk, butter and cheese; hist. and organiz. of butter and cheese factories; dairy utensils, etc. 3d ed. Illus. N. Y. 1872. 8vo, \$3.00. Ak—Ed—Ju—Mu—Rau.
- 1573 **Williams, H. F.** Designs for needlework, 3 vols. N. Y. n. d. 30c ea. Ab.
- 1574 **Williams, H. T.** Fret sawing for pleasure and profit. N. Y. (1877). 12mo, pap. 50c. Ab.
- 1575 **Williams, W.** Transparency painting on linen. 3d ed. Illus. Lond. 1863. 12mo, pap. 40c. Va.
- 1576 **Williams, W. M.** Explosive compounds. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1577 **Williams, W. M.** Oils and candles. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1578 **Wilson.** Cotton carder's companion: description of picking, baling, marketing, opening and carding cotton. (Phila.) n. d. 12mo, \$1.50. Bb—Mu.
- 1580 **Winston, Chas.** Memoirs illustrative of the art of glass painting. Illus. Lond. 1865. 8vo, \$8.00. Va.
- 1581 **Wise, J.** System of aeronautics: earliest investig. and modern practice and art. Phila. 1850. 8vo, \$4.00. Va.
- 1582 **Wood, H. T.** Bookbinding. B. B. M. I. Lond. n. d. P. 8vo, 3s 6d. Sal.
- 1583 **Wood, Sam.** The British bird preserver. Lond. n. d. 12mo, 2s. We.
- 1584 **Wood carvers.** Illus. N. Y. 1879. 12mo, 75c. Nb.
- 1586 **Woodward's new and selected designs for the fret saw.** For ornamental work of easy execution. W. pl. N. Y. n. d. 18mo, pap. 50c. Ak—Caa—Ed—Ju.
- Contains: brackets, panels, table mats, photograph frames, watch stands, paper folders, thermometer frame, corner consoles, glove box, table easels, pen racks, etageres, knife rests, cigar stands, sandpaper, tablettes.
- 1587 **Woodward's ornamental and fancy alphabets, monograms, and titles.** W. pl. N. Y. 1877. \$6.00. Ak—Ed—Ju.
- 1588 **Wood*working tools and how to use them.** Illus. N. Y. n. d. 18mo, 75c. Wal.
- 1588a **Wooton, E.** Toilet medicine: a popular scientific manual on the correction of bodily defects and the improv. and preserv. of personal appearance. Together w. formulæ for all the special prepar. recommended. 2d ed. N. Y. 1888. 12mo, pap. 75c, clo. \$1.00. V.
- 1589 **Worsaae, J. J. A.** Industrial arts of Denmark. From the earliest times to the Danish conquest of England. Illus. S. K. A. H. Lond. La. cr. 8vo, 3s 6d. Ch.
- 1590 **Worssam, S. W., Jr.** On mechanical saws. From the transac. of the soc. of engineers, 1869. W. pl. Lond. n. d. 8vo, \$2.50. Bb—Cag—Mu.
- 1591 **Wray, L.** Practical sugar planter: cultiv. and manufac. of the sugar cane. Illus. Lond. 1848. 8vo, \$5.00. Va.
- 1592 **Wright's book of 3,000 American receipts.** Contain. cookery, distilling, perfumery, chemicals, varnishes, dyeing, agriculture, etc. N. Y. n. d. 12mo, \$1.50. Di.
- 1593 **Wright, H. E.** Handbook for young brewers. Lond. 1877. Cr. 8vo, 3s 6d. \$1.75. Bb—Lp.
- 1594 **Wyckoff, W. C.** Silk goods of America: account of recent improv. and advances of silk manufacture in the U. S. N. Y. 1879. 8vo, \$1.00. Va.
- 1595 **Young, Chas. F. T.** Fires, fire engines, and fire brigades. Lond. 1866. 8vo, £1. 4. \$8.00. Lp—Va.
- 1596 **Young, C. F. T.** (Jennie J. pseud.) The ceramic art: hist. and manufac. of pottery and porcelain. Illus. N. Y. 1876. 4to, \$5.00. Hd—Mu—Va.

Handy Lists of Technical Literature.

Reference Catalogue of Books printed in English from 1880 to
1888 inclusive; to which is added a select list of
Books printed before 1880 and still kept on
Publishers' or Jobbers' lists.

Arranged according to authors in alphabetical order, with a subject-index in the same alphabetical arrangement, containing also *analytical references to parts or volumes of important works, like Cyclopædias, Reference-works, etc.*

PART I contains: Useful Arts in General, Products and Processes used in Manufacture, Technology and Trades.

PART II, now in preparation, will contain: *Military and Naval Science, Navigation, Ship, Boat and Yacht building, Rowing, Sailing, etc.*

PART III: *Steam and Marine Engineering, Mechanics, Machinery, Railroad building, construction and management, Civil Engineering, Surveying and Mechanical Drawing.*

PART IV: *Mines, Mining, Assaying, Mineralogy and Geology.*

PART V: *Fine Arts in General, Drawing, Painting, Sculpture, etc.*

PART VI: *Architecture and Building, Architectural Drawing, Carpentry, Joinery, etc.*

PART VII: *Reference Works and Miscellaneous Subjects, as for instance Microscopy, Numismatics, Heraldry, Farming, Trade Unions, Insurance Societies, etc.*

A Key containing the names and addresses of the publishers and jobbers of each book will be furnished at 25¢ extra.

Key furnished to Booksellers and Librarians only!

All orders received before July 1st, for Part II, will be filled at \$1.00 in paper; in cloth \$1.25; including Key. After publication the price will be raised to \$1.25 and \$1.50 respectively.

ADVERTISING RATES FURNISHED ON APPLICATION.

We herewith request the publishers and wholesale houses to furnish us two copies of every catalogue or circular issued by them. Any co-operation from the trade in general which would help to make the "HANDY LISTS" more practical will be highly appreciated.

NATIONAL PUBLISHING AND PRINTING COMPANY,

296 Third Street, MILWAUKEE, WIS.

The Book Fiend

IS A MEDIUM

FOR THE PURCHASE, SALE AND EXCHANGE

— OF —

New and Old Books

— AND —

A Means of Communication between the
Bookseller and Book-lover.

*No Library can afford to be without this Magazine of
Bibliographical Intelligence.*

*A Special Feature of the "WANT" and "FOR SALE"
Columns.*

Subscription, \$1.00 Per Year.

Sample Copies, 10 Cents.

Advertising Rates, \$1.00 per Inch.

Address all communications to

The Book Fiend,

MINNEAPOLIS, MINN.


RARE BOOKS!

If you are in want of rare and
out-of-print books, we can fur-
nish them. Send a list of all
wants, enclosing a two-cent stamp for answer, catalogue, etc., to

RAYMER'S "OLD BOOK" STORE,

243 FOURTH AVENUE S.,

MINNEAPOLIS, MINN.

 Catalogues for new and second-hand books in stock furnished free to any address on application.

C. N. CASPAR, BOOK EMPORIUM.

DEALER IN AND IMPORTER OF

American, British, German and French Books.

ANCIENT AND MODERN.

No. 437 EAST WATER STREET,
MARKET SQUARE,

Telephone No. 1126.

Milwaukee, Wis.

Direct Connections with all Foreign Countries.

Any Book in Any Language Obtained.

"OUT OF PRINT" BOOKS A SPECIALTY.

Send for books tried to obtain somewhere else in vain. Correspondence solicited.

BOOKS

NEW AND SECOND-HAND, BOUGHT, SOLD AND EXCHANGED.

50,000 VOLUMES IN STOCK.

STANDARD, TECHNICAL, SCIENTIFIC, BIBLIOGRAPHICAL,
ANTIQUARIAN AND SCHOOL BOOKS SPECIALTIES.

Importation orders promptly executed and books "out of print" procured.

Orders from bookbuyers, booksellers and public and private libraries solicited.

Prices on all books cheerfully quoted. :—

—: About 6 Catalogues issued annually

Compiler of "Caspar's Directory of the Antiquarian Booksellers of the U. S." Price with supplement to Jan. 1st, 1887, \$5.00; and "Caspar's Directory of the American Book, News and Stationery Trade, and kindred branches, 1889" \$12.00 net. Send for complete prospectus of this work.

Enclosures: New York, The International News Co. London, B. F. Stevens. Leipzig, F. A. Brockhaus.

STANDARD Scientific and Mechanical Books

We own the copyrights of the books on the subjoined list, and would make special rates to wholesale and jobbing dealers who will keep a stock on hand. The books sell rapidly and have been extensively advertised amongst mechanics. Catalogues, with dealers imprint, furnished free to our customers in the trade. Send for terms.

The Steel Square and its uses. By Hodgson. New edition. 75 engravings.	\$1.00.
Practical Carpentry. By Hodgson. Over 300 engravings.	1.00.
Stair Building Made Easy. By Hodgson. Over 120 engravings.	1.00.
New System of Hand Railing. Novel, economic and easily learned.	1.00.
Plaster. How to make and how to use. Very finely illustrated. Hodgson.	1.00.
Hand Saws: How to choose and how to use them. Hodgson.	1.00.
The Builders' Guide and Estimators' Price Book. Hodgson.	2.00.
Water Closets. A description of all that are in use. 250 engravings.	
Glen Brown.	1.00.
Lightning Rods. Their construction and erection. John Phin.	.75.
Mechanical Draughting for self-taught Students. Pemberton.	1.00.
Lectures in a Workshop. Pemberton.	1.00.
Carpenters' and Joiners' Pocket Companion. Thomas Maloney.	.50.
Trade Secrets. A text-book for small manufacturers. New edition.	1.50.
The Workshop Companion. 164 pages, cloth.	.60.
Common Sense in the Poultry Yard. Hail.	1.00.
Shooting on the Wing. A book for Young Sportsmen.	.75.
How to use the Microscope. John Phin. Fully illustrated. Sixth edition.	1.25.

INDUSTRIAL PUBLICATION CO.,

9 Barclay Street, NEW YORK.

HERMAN VOSS,

BLANK BOOK
MANUFACTURER
AND
GENERAL
BOOK BINDER.

MILWAUKEE, WIS.

CANADA

**A STATISTICAL AND DESCRIPTIVE HANDBOOK OF THE DOMINION OF CANADA, AND NEWFOUNDLAND:
ILLUSTRATED.**

This work will contain 800 to 1000 pages, describing the Dominion at large and each province and territory separately. Statistics are brought down to the end of 1888 and compiled by, or under the supervision of, the various governments.

Compiled specially as a Book of Reference for Public Libraries, Boards of Trade, and Public Institutions.

Bound in Cloth, price, \$3.00; ready in March, 1889. Published by

E. B. BICCAR,
Fraser Building, MONTREAL, CANADA.

NATIONAL PRINTING Co. PRINTERS,

296 THIRD STREET,

H. R. COLDEWEH.
H. C. RUNKEL.

MILWAUKEE.

CATALOGUES A SPECIALTY.

Do-

arge
the
ern-

s of

DA.

Handy Lists
of
Technical Literature.

KEY

Part I.

KEY

TO THE "HANDY LISTS OF TECHNICAL LITERATURE," PART I.

NOTE. Numbers printed in **heavy-faced type** indicate *own publications*; those in ordinary roman type indicate books kept for sale, and advertised in the catalogues or circulars of the respective firms, though not published by them.

- Aa. **Adams, W. J., & Sons.** 59 Fleet St., E. C.; and 2 Pleydell St., Bouverie St., E. C., London. **508.**
- Ab. **Adams & Bishop.** 57 Murray St., New York, N. Y. **195, 518, 1018, 1573, 1574.**
N. B. Out of business; plates sold to different parties. No. 195 to F. M. LUPTON; No. 518 to POTTER & POTTER; No. 1018 to ALLEN, E. C.; Nos. 1573, 1574 could not be traced.
- Ac. **Agricultural Press Co.** 4 Agar St., Strand, W. C., London. **364.**
- Ad. **Allen's, E. C., Publishing House.** Augusta, Me. **1018.**
Own the plates, but have not published the book yet. (No. 179 is referred by error to Ad. should be AD.)
- Ae. **Allen, George.** Sunnyside, Orpington (Kent), England. **208.**
- Af. **Allen, W. H., & Co.** 13 Waterloo Place, S. W., London. **48, 181, 235, 410, 621a, 630.**
- Ag. **Allman & Son.** 67 New Oxford St., W. C., London. **941.**
- Ah. **Amelie, Madame, (Authoress.)** London. **20.**
N. B. Address not yet discovered.
- Ai. **American Grocer Publishing Association.** 143 Chambers St., New York, N. Y. **930.**
- Ak. **American News Co.** 39 Chambers St., New York, N. Y. **1054, 1171, 1200, 1235, 1334, 1433, 1571, 1572, 1586, 1587.**
- Al. **Ames, D. T., Publisher.** 205 Broadway, New York, N. Y. **1051.**
- Am. **Anderson, Rob., & Son.** 33 South Bridge, Edinburgh, Scotland. **629.**
- An. **Andrews, A. H., & Co.** 195, 197 Wabash Ave., Chicago, Ill. **1293.**
- Ao. **Anthony, E. & H. T., & Co.** 591 Broadway, New York, N. Y. **798.**
- Ap. **Appleton, D., & Co.** 1, 3, 5 Bond St., New York, N. Y. Branches: 16 Little Britain, London, England; Atlanta, Ga.; Boston, Mass.; Chicago, Ill.; Cincinnati, O.; Kansas City, Mo.; Philadelphia, Pa.; St. Paul, Minn.; San Francisco, Cal.; Washington, D. C. **196, 197, 226, 321, 349, 358, 454a, 536, 632, 635b, 658, 733, 772, 773, 832, 834, 856, 1044, 1065, 1083, 1217, 1269, 1350, 1358, 1361, 1379, 1393, 1394, 1420, 1431, 1474, 1483, 1492, 1543 \$24.00, 1552, 1554, 1567.**
- AA. **Armstrong, A. C., & Son.** 714 Broadway, New York, N. Y. **306, 771, 774*, 1028.**
- AB. **Armstrong & Knauer Publishing Co. (The).** 822, 824, Broadway, New York, N. Y. **619.**
- AC. **Arnold & Co.** Formerly G. H. Buchanan & Co., 420 Library St., Philadelphia, Pa. **800.**
- AD. **Art Interchange Company (The).** Wm. Whitlock, Publisher. 37 and 39 W. 22d St., New York, N. Y. **179, 289, 384, 564, 565, 566, 568, 569, 570, 571, 693, 790, 822, 838, 885, 909, 910.**
- B. **Bailey, J. M.** Billerica, Mass. **49.**
N. B. Out of business.
- Ba. **Bailliere, Tindall & Cox.** 20 King William St., Strand, W., London. **80, 99, 660, 778, 929a, 933.**
- Bb. **Baird, Henry Carey, & Co.** 810 Walnut St., Philadelphia, Pa. **22, 26, 31, 32, 34, 35, 50b, 56, 60, 76, 77, 88, 95, 111, 112, 115, 118a, 119, 120, 121, 122, 123, 137, 141, 163, 166, 175, 204, 236, 240, 242, 243, 246, 254, 256, 258, 259, 260, 261, 263, 305, 310, 338, 341a, 360, 371c, 372, 375, 377, 392, 413, 467, 468, 475, 484 \$2.00, 535, 540, 552, 562, 596, 610, 621, 623, 640, 649a, 691, 737b, 740, 754, 777, 785, 801, 814, 825, 845, 846, 863, 872, 877, 922, 929, 932, 942, 952a, 962, 964a, 965, 966, 973, 980, 981, 983, 984, 1027, 1031, 1056, 1057, 1062, 1064, 1066, 1068, 1069, 1081, 1088 \$3.00, 1089 \$3.00, 1090, 1091, 1094, 1096, 1099, 1111, 1115.**

- 1133, 1134, 1136, 1139, 1152, 1155, 1160, 1170, 1174, 1175, 1176, 1203, 1205, 1206, 1209, 1224, 1240, 1241, 1251, 1256, 1264, 1266, 1270, 1290, 1292a, 1305, 1309, 1313, 1315, 1318, 1319, 1326, 1330, 1337, 1345 \$1.00, 1351, 1352, 1352a, 1355, 1356, 1363, 1364, 1370, 1371, 1378, 1380, 1381a, 1386, 1401, 1403, 1405, 1407 \$10 00, 1409, 1411, 1414, 1415, 1416, 1419, 1422, 1423, 1424, 1426, 1426a, 1427 \$2.00, 1429, 1429a, 1434, 1444a, 1448, 1450, 1450a, 1454, 1456, 1456a, 1461, 1469, 1475, 1483, 1485, 1499, 1500, 1502, 1519, 1525, 1526a, 1529, 1539, 1540, 1547, 1549, 1555, 1559, 1562, 1563, 1565, 1566, 1567, 1578, 1590, 1593.
- Bc. **Baker, Voorhis & Co.** 66 Nassau St., New York. 545, 666, 666a, 1100.
- Bd. **Banks & Bros.** Albany, N. Y., and 144 Nassau St., N. Y. 667, 668, 669, 669a.
- Be. **Barnard, J., & Son.** 233 Oxford St., W., and 19 Berners St., W. London. 165a, 422.
- Bf. **Barnes, Alfred John, & Co.** 20 Jewin Crescent, E. C., London. 270.
- Bg. **Barnicott & Son.** 44 Fore St., Taunton, Somerset. London Agents: Simpkins, Marshall & Co. 707.
- Bh. **Bates, G. A.** Salem, Mass. 807.
- Bi. **Batsford, Bradley Thomas.** 52 A. High Holborn, W. C., London. 264, 264a, 265, 265a, 266, 339, 440, 441, 675a, 676b, 1349.
- Bk. **Bazaar (The)** Exchange and Mart, Thomas Davids, Publisher, 170 Strand, W. C., and 37 Surrey St., W. C., London. 45, 177, 199, 201, 430, 599, 812, 813, 1003.
- Bl. **Belford, Clarke & Co.** 192 State St., Chicago, Ill. Branch: 22 E. 18th St., New York, N. Y. 324.
- Bm. **Bell, George, & Sons.** 4, 5 York St., Covent Garden, W. C., London. 23, 243, 250, 330, 507, 537, 580, 581, 604, 621, 708a, 740, 880, 880a, 881, 1032, 1041, 1078, 1082, 1101, 1126, 1154, 1189, 1353a, 1353b, 1430, 1437, 1455, 1541, 1542.
- Bn. **Bemrose & Sons.** 23 Old Bailey, E. C., London. 76, 388b, 856, 1088, 1089.
- Bo. **Bennet.** 82 Queen St., E. C., London. 143b.
- Bp. **Bentley, George Samuel.** 103 to 105 Shoe Lane, E. C., and 23 St. Bride St., Ludgate Circus, E. C., London. 229.
- Br. **Bickers & Son.** 1 Leicester Sq., W. C., London. 182, 184.
- Bs. **Bicknell, A. J., & Co.** New York, now Wm. T. Comstock. 1071.
- Bu. **Biggar, E. B.** Fraser Building, St. Sacrament St., Montreal, Canada. 170b.
- Bv. **Black, A. & C.** 6 North Bridge, Edinburgh, Scotland. 460.
- Bw. **Blackie & Son.** 49, 50 Old Bailey, E. C., London. 563, 609.
- Bab. **Blackwood, Jas., & Co.** 8 Lovell's Court, Paternoster Row, E. C., London. 38, 176, 357, 1062a, 1210*, 1338a, 1429*.
- Bac. **Blakiston, P., Son & Co.** 1012 Walnut St., Philadelphia, Pa. 16, 16a, 66, 169, 170a, 371b, 371c, 372, 638, 721, 732, 1011, 1198a, 1306.
N. B. Control the publications of Jn. & Aug. Churchill, London, for the American market.
- Bad. **Bogue, David.** 27 King William St., Strand, W. C., London. 83, 103, 702, 874.
Now out of business.
- Bae. **Bosworth, Thomas, & Co.** 66 Great Russell St., W. C., London. 1059.
N. B. Removed: present location could not be traced.
- Baf. **Bouton, J. W.** 706 Broadway, New York, N. Y. 230a, 523, 731, 1300.
- Bag. **Bradbury, Agnew & Co.** 8, 9, 10 Bouverie St., E. C., and 85 Fleet St., E. C., London. 595, 821, 982.
- Bah. **Bradstreet Press Co.** 279, 281, 283 Broadway, New York, N. Y. 294.
- Bai. **Brewer's Journal and Hop and Malt Trades Review,** Fred. W. Lyon, publisher, Eastcheap Building, E. C., London. 877a.
- Bak. **Briant, Lawrence.** 24 Holborn Viaduct, E. C., London. 126.
- Bal. **"British Workwoman,"** Rich. Willoughby, publisher. 27 Ivy La., Paternoster Row, E. C., London. 131.
- Bam. **Brodix, C. R.** 622 F St., N. W., Washington, D. C. 1, 2.
- Ban. **Brook, James Andrew, & Co.** 282 Strand, W. C., London. 114.
Now out of business.
- Bao. **Brown, Henry H.** Battle Creek, Mich. 140.
- Bap. **Brown, J. B.** 55 Beekman St., New York, N. Y. 1267.
- Bar. **Bruce, Geo., & Co.** 13 Chambers St., New York, N. Y. 147.

- Bas.** **Bryan, C. W., & Co.** Springfield, Mass., and Holyoke, Mass. 685, 686, 697, 847.
- Bau.** **Buckeye Publishing Co.** Minneapolis, Minn. 171.
- Bav.** **Burroughs & Mountford.** Trenton, N. J. 419.
- Baw.** **Burt, A. L.** 56 Beekman St., New York, N. Y. 242a, 242b, 242c, 242d, 353.
- Baz.** **Butterworth, H., & Co.** 7 Fleet St., E. C., London. 555, 556.
- Ct.** **Callaghan & Co.** 114 Monroe St., Chicago, Ill. 50a.
- C.** **Cambridge Warehouse.** 17 Paternoster Row, London. 222, 644.
- Ca.** **Canfield, D. B., & Co.** 229 South 6th, Philadelphia, Pa. 643.
- Cb.** **Cartwright, Rich. S.** 8 Johnson's Court, Fleet St., S. C., London. 557.
- Cc.** **Caspar, C. N.** 437 E. Water St., Milwaukee, Wis. 178, 495
N. B. Has also a large stock of O'Kane's publications.
- Cd.** **Cassell & Co., Lim.** La Belle Sausage Yard, Ludgate Hill, E. C., London.
Branch: 104, 106 Fourth Ave., New York. 32, 138, 158, 190a, 273, 291, 383, 388, 388a, 395, 443, 484, 541, 542, 577, 610, 620a, 663, 738, 831, 831a, 918, 1023a, 1146, 1179, 1180, 1180a, 1181, 1182, 1236, 1507.
- Ce.** **Cassino, S. E.** 192 Sumner St., Boston, Mass. 156, 418, 636.
- Cf.** **Castello, A. E.** 2 W. 14th St., New York, N. Y.
Error, see Costello.
- Cg.** **Chapin & Gould.** Springfield, Mass. 674.
- Ch.** **Chapman & Hall, Lim.** 11 Henrietta St., Covent Garden, W. C., and 33 Maiden Lane, W. C., London. 74, 75, 93, 192, 193, 194, 298, 336, 349, 359, 373, 500, 503a, 576, 594, 597, 684, 735a, 774b, 841, 878, 1029, 1090, 1091, 1097, 1147, 1221, 1222, 1242, 1243, 1244, 1245, 1317, 1342, 1344, 1391, 1392, 1412, 1413, 1439, 1440, 1442, 1443, 1462, 1471, 1472, 1568, 1589.
The Nos. 576, 878, 1029 are entered here by error, should be Sa*.
- Ci.** **Chatto & Windus.** 214 Picadilly, W., London. 146, 159, 186, 435, 442, 509, 533, 722, 728, 731, 998, 1312.
- Ck.** **Chase, Frank H.,** Publisher "The Sunnyside," 155 W. Broadway, New York, N. Y. 201c, 807*, 884a.
- Cl.** **Chiswick Press, C.** Wittingham & Co., 21 Took's ct., W. C., Chancery Lane, London. 505, 505a.
- Cm.** **Christy & Co.** 155 Fenchurch St., E. C., London. 189, 190.
- Cn.** "Church Bells" Office, 12 Southampton St., London. 198a.
- Co.** **Churchill, Jn. & Aug.** 11 New Burlington St., W., London. 16, 16a, 169, 170a, 203, 220, 371b, 371c, 372, 416, 916, 917.
- Cp.** **Clarke & Co.** Indianapolis, Ind. 1161.
Out of business.
- Cr.** **Clarke's Chemical Works.** Springfield, Ohio. 201c.
- Caa.** **Clarke, Robt., & Co.** 61 to 65 W. Fourth St., Cincinnati, O. 26, 51, 76, 87, 108, 150, 155, 166, 170, 207, 216, 220, 223, 254, 258, 274, 282, 284, 300, 328, 370, 371, 379, 392, 393, 394, 408, 441, 457, 464, 464a, 465, 469, 474, 480, 481, 563, 584*, 607, 611, 612, 613, 632, 694, 715, 739, 764, 806, 869, 877, 932, 952, 969, 1048, 1051, 1080, 1088 \$2.00, 1089 \$2.40, 1116, 1117, 1119, 1129, 1130, 1131, 1134, 1138, 1139, 1140, 1149, 1150, 1171, 1179, 1180a, 1181, 1182, 1184, 1185, 1197, 1198, 1213, 1214, 1215, 1230, 1250, 1251, 1252, 1255 \$12.00, 1262, 1263 \$2.50, 1270, 1283, 1289, 1304, 1313, 1325, 1330, 1331, 1340, 1357a, 1372, 1384, 1393, 1399 \$6.50, 1417, 1428, 1415, 1456, 1457, 1458, 1459, 1467, 1477, 1516, 1517 \$8.00, 1518, 1527, 1533, 1557, 1586.
- Cab.** **Claxton, E., & Co.** Philadelphia, Pa. Now Edw. Meeks.
- Cac.** **Clowes, Wm., & Sons, Lim.** 13, 14 Charing Cross, S. W., 27 Fleet St., E. C., and Duke St., Stanford St., S. E., London. 40, 174, 267, 448, 637, 828.
- Cad.** **Cocks, Robt., & Co.** New Burlington St., Regent St., W., London. 476, 1480.
- Cae.** **Collingridge, Wm. Hill, & Leonard.** 148, 149 Aldersgate St., E. C., and New St., Clothfair, E. C., London. 69, 399.
- Cag.** **Comstock, Wm. T.** 23 Warren St., New York, N. Y. 26, 51, 148, 156, 162, 166, 170, 190a \$1.25, 223, 236, 254, 256 \$2.50, 258, 278 \$2.50, 291 \$3.75, 304, 318, 342b \$10.00, 342c, 370, 371, 371a, 392, 443, 457, 463a, 464, 464a, 465, 523 \$35.00, 564, 565, 566, 568, 569, 570, 571, 675*, 675a, 691, 715, 718, 739, 763b, 764 \$4.00, 802, 883, 952, 952a, 964a, 1045a, 1046, 1047, 1051, 1056, 1061, 1071, 1088 \$3.00, 1089 \$3.00, 1100a, 1108a, 1116, 1117.

- 1135, 1136, 1154 \$3.75, 1179, 1180, 1180a, 1181, 1182, 1183a, 1199a, 1220, 1227, 1247 25c, 1250, 1254, 1258, 1261, 1262, 1263 \$2.50, 1266a, 1268, 1292, 1292*, 1294a, 1294b, 1330, 1330a, 1333a, 1333b, 1349, 1352a, 1356, 1372, 1395d, 1401, 1411, 1432a 50c, 1447, **1452**, 1469, 1470a, 1480a, 1482a, 1497a, 1512, 1539 \$1.25, 1540, 1562, 1590.
- Cah.** **Confectioner's and Baker's Publishing Co.** 46 Lake St., Chicago, Ill. 125, 217, 703.
- Cai.** **Co-operative Building Plan Assoc.,** Robt. W. Shoppell, 24 Beekman St., New York, N. Y. 481.
- Cak.** **Cornish, James, & Sons.** 297 High Holborn, W. C., London. 1057.
- Cap.** **Costello, A. E.** 2 W. 14th St., New York, N. Y. 230.
- Cal.** **"Country" Office.** London. Address could not be traced. 144.
- Cam.** **Cox, Horace.** 346 Strand, W. C., London. 232, 360a, 763, 839, 974.
- Can.** **Cox, W. H.** 26 Southampton St., W. C., London. 577a.
- Cao.** **Crawford & Co.** 47 N. 9th St., Philadelphia, Pa. 1007.
- Cap.** **Cross, Mrs. Rich.** 1717 N. Front St., Philadelphia, Pa. 246.
- Cup.** **Cupples & Hurd.** 23 School St., Niles Building, Boston, Mass. 162.
- Cus.** **Cushings & Bailey.** 34 W. Baltimore St., Baltimore, Md. 152, 754a.
- D.** **Daily Sentinel.** Carlisle, Pa. 664.
- Da.** **Damrell & Upham.** 283 Washington St., Boston, Mass. 113, 551, 741, 1079, 1116, 1117, 1352.
- Db.** **Dana, Wm. B., & Co.** Publishers "Commercial and Financ. Chronicle." P. O. Box 958, New York, N. Y. 1172.
- Dd.** **Dean & Son.** 160a Fleet St., E. C., London. 201a, 201b, 323a, 344a, 381*, 399b, 714, 1454a.
- De.** **De Witt Publishing House.** R. H. Russel & Sons, propriet., 33 Rose St., New York, N. Y. 480, 1232, 1570.
- Di.** **Dick & Fitzgerald.** 18 Ann St., New York, N. Y. 65, 218, 281a, 348, 424, 923, 924, 992, 1113, 1195, 1360, 1400, 1453, 1592.
- Dm.** **Diossy & Co.** 231 Broadway, New York, N. Y. 1163.
- Dn.** **Dockham, C. A., & Co.** 131 Devonshire St., Boston, Mass. 835a, 921b.
- Do.** **Dodd, Mead & Co.** 755 Broadway, New York, N. Y. 79, 85, 141a, 250b, 313, 320, 605, 783, 784, 920.
- Du.** **Dulau & Co.** 37 Soho Sq., W., London. 423.
- Dv.** **Duncan Bros.** 56 State St., Chicago, Ill. 961.
- E.** **Egyptian Chemical Co.** 15 Foster's Wharf, Boston, Mass. 884a.
- Ea.** **Engineering News Publishing Co.** 154 Nassau St., New York, N. Y. 368b.
- Eb.** **"Engineering" Office,** Chas. Gilbert, publisher. 163a Strand, W. C., London. 1015.
- Ec.** **Estes & Lauriat.** 301 Washington St., Boston, Mass. 320b, 543, 544, 549, 580, 881.
- Ed.** **Excelsior Publishing House.** 35 Beekman St., New York, N. Y. 13, 164, 692, 823a, 1060, 1067, 1072, 1076, 1105, 1107, 1108a, 1135, 1137, 1144, 1171, 1200, 1208, 1235, 1250, 1258, 1294, 1304, 1323, 1334, 1362b, 1381, 1389, 1433, 1488, 1489, 1501, 1508, 1509, 1521, 1544, 1560a, 1561, 1571, 1572, 1586, 1587.
- Ek.** **Exchange Printing Co.,** John Ryer, Pres., Franc. E. Fitch, Treas., 33 Water St., New York, N. Y. 70.
- Ei.** **Eyre & Spottiswoode.** Great New St., Fetter Lane, E. C., London: Branches: 16 Elder St., Edinburgh (Scotland), and with E. and J. B. Young & Co., Cooper Union, New York, N. Y. 743a.
- Ek.** **Eyrich, J. C.** 130 Canal St., New Orleans, La. 249, 255, 511, 1034a.
- F.** **Fairbanks, A. W.** Cleveland, Ohio. 405.
- Fa.** **Farley, A. C. & Co.** 413 Walnut St., Philadelphia, Pa. 333, 334, 335.
- Fb.** **Farrington, George Henry.** 11 Knight rider St., E. C., London. 385.
- Fc.** **Farncombe, Mr.** Eastbourne (Sussex), England. 663o.
- Fd.** **Farwell & Co.** 45 Pearl St., Boston, Mass. 1367.
- Fe.** **Ferris Publishing Co.** 481 Broadway, Albany, N. Y. 342a.
- Fg.** **Field & Tuer.** "The Leadenhall Press," 50 Leadenhall St., London, E. C. 296, 868.
- Fi.** **Fine Arts Society (The),** lim. 148 New Bond St., W., London 483b, 991.
- Fm.** **Fisher, A.** London. 461, 706. Now out of business.
- Fn.** **Fitzgerald, J.** 30 Lafayette Pl., New York, N. Y. 494.
- Fo.** **Fletcher, N. P., & Co.** 31 Niles St. Hartford, Conn. 68, 1328.

- Fp. **Ford, J. S.** 164 Dearborn St., Chicago, Ill. 696.
- Fr. **Forest and Stream Publishing Co.** 318 Broadway, New York, N. Y. 62, 153 75c, 388, 524 \$1.50, 997, 1294.
- Fu. **Fowler & Wells Co.** 773 Broadway, New York, N. Y. 370, 371, 689, 921.
- Faa. **Freeman, E. L. & Son.** (formerly at Central Falls, R. I.). Providence, B. I. 1256.
- Fab. **Friedenwald, J.** Paca St., Cor. Cider Alley, Baltimore, Md. 297, 662.
- Fac. **Funk, I. K.** 10, 12 Dey St., New York, N. Y. Now Funk & Wagnalls.
- Fad. **Funk & Wagnalls.** 18, 20 Astor Place, New York, N. Y. Branch: 44 Fleet St., E. C., London. 374, 1025 25c.
- G. **Galloupe, F. E.** 30 Kilby St., Boston, Mass. 368b.
- Ga. **"Garden,"** Wm. Robinson, Publisher, 37 Southampton St., Strand, W. C., London. 796.
- Gb. **Gardner, W. Wells.** 2 Paternoster Building, E. C. London. 765, 852, 853, 854, 870.
- Gd. **Gilbert, Chas.** London, see "Engineering Office."
- Ge. **Gill, J. Thompson.** 78 Fifth Ave., Chicago, Ill. Now Confectioner and B. P. Co.
- Gi. **Gill, Geo. & Sons.** 23 Warwick Lane, E. C., London. 350.
- Go. **Gill, L. Upton.** 170 Strand, W. C., London. 44, 143a, 143c, 237, 283, 307, 398a, 429, 497, 598, 600, 635, 1034, 1382.
- Gu. **Ginn & Co.** 7 to 13 Tremont St., Boston, Mass. Branches: Chicago, Ill.; Columbus, O.; New York, N. Y. 384b.
- Gv. **Gorham Manufg. Co. (The).** Cor. Broadway and 19th St., New York, N. Y. 150a.
- Gw. **Gottsberger, W. S.** 11 Murray St., New York, N. Y. 224.
- Gaa. **Green's, S. W., Sons.** 69 Beekman St., New York, N. Y. 911, 912. Out of business.
- Gab. **Greenwood, Henry & Co.** 2 York St., Covent Garden, W. C., London 130, 502a.
- Gac. **Gregoire, L., & Co.** P. O. Box 2168, 6 Post St., San Francisco, Cal. 347a.
- Gad. **Grevel, Herm.** 33 King St., Covent Garden, W. C., London. 106, 560a.
- Gaf. **Griffin, Chas., & Co.** 12 Exeter St., Strand, W. C., London 818, 1207, 1407.
- Gag. **Griffith, W. P., & Sons, lim.** Prujean Sq., Old Bailey, E. C., London. 50, 102, 252, 412, 550, 591.
- Gah. **Griffith, Farren, Okeden & Welsh.** 2 Ludgate Hill, E. C., London 861, 967.
- Gai. **Griggs, S. C., & Co.** 87, 89 Wabash Ave., Chicago, Ill. 1357.
- Gal. **Grolier Club (The).** 64 Madison Ave., New York, N. Y. 272a, 396, 466.
- Gam. **Groombridge & Sons.** 6 Panyer Alley, Paternoster Row, E. C. London. 288a, 445.
- Gau. **Gurney & Jackson.** (formerly John Van Voorst). 1 Paternoster Row, E. C., London. 601, 602, 603, 651, 875a.
- H. **Haddon, John & Co.** 3 Bouverie St., Fleet St., E. C. London. 136, 499.
- Ha. **Hale, E. J. & Son.** 66, 68 Reade St., New York, N. Y. 404.
N. B. Plates sold to North Carolina Department of Agriculture, see there.
- Hb. **Hamilton, Adams & Co.** 31, 32 Paternoster Row, E. C., Lond. 69a, 105, 608, 806a, 978.
- Hd. **Harper Bros.** Franklin, Sq., New York, N. Y. 198, 280, 281, 314, 676, 830, 879, 997, 1030, 1305, 1451, 1503, 1505, 1596.
- He. **Harrison, Edw.** 135a Salisbury Court, E. C., London. 729, 1039.
- Hi. **Hart & Co.** Francis, now Theo. L. De Vinne & Co., 63 Murray St., New York, N. Y. 1192.
- Hm. **Hartley, Thomas W., & Co.** Constitution Row, 420 Franklin St., Philadelphia, Pa. 22, 123, 163, 242, 258, 259, 260, 391, 392, 393, 467, 691, 966, 1290, 1806, 1852, 1401, 1559.
- Hn. **Hartshorn, E. A.** Troy, N. Y. 428.
- Ho. **Hatchard, Mess.** 187 Piccadilly, W., London. 67, 164a, 172, 231, 314a, 1033.
- Hp. **Hazell, Watson & Viney, Lim.** 52 Long Acre, W. C., London. 434a.
- Hu. **Haynes, D. O., & Co.** Detroit, Mich. 317.
- Haa. **Heath, D. C., & Co.** 3 Tremont St., Boston, Mass. Branch: Chicago, Ill.; New York, N. Y. 1009, 1335, 1336.
- Hab. **Hedges, Mrs. Isaac A.** 2931 Dayton St., St. Louis, Mo. 439.

- Hac.** Heywood, John. 1 Paternoster Building, London. 167, 219, 368a, 470, 540, 645, 676a, 753a, 754, 757, 929, 978a, 1319, 1403, 3s 6d, 1566.
- Had.** Hildeburn, C. R. 1015 Clinton St., Philadelphia, Pa. 449.
- Hae.** Hill, Frank P. Librarian. Salem, Mass. 450.
- Haf.** Hodges, John. 13 Soho Sq., W., London. 293.
- Hag.** Hogg, John. 13 Paternoster Row, E. C., London. 824.
- Hah.** Holt, Henry, & Co. 29 West 23d St., New York, N. Y. 228, 509.
- Hai.** Hopkins, John, University. N. Murray, publication agent, Baltimore, Md. 184.
- Hak.** Houghton, Mifflin & Co. 4 Park St., Boston, Mass. Branch: 11 E. 17th St., New York, N. Y. 202 \$2.50, 233, 300.
- Hal.** Houlston & Sons. 7 Paternoster Building, E. C., London. 25, 81, 84, 227, 397, 453, 478, 516, 615, 631, 710, 925, 1109, 1110, 1265, 1302, 1322, 1478, 1548, 1560.
- Ham.** Hubbard Bros. 723 Chestnut St., Philadelphia, Pa. Branches: Boston, Mass.; Chicago, Ill.; Cincinnati, O.; Kansas City, Mo.; New York, N. Y. 461a, 481a.
- Han.** Hughes, Joseph. 4 Pilgrim St., Ludgate Hill, E. C., London. 519, 520, 521.
- Hu.** Hurst & Co. 122 Nassau St., New York, N. Y. 1048, 1049, 1058, 1106, 1108, 1132, 1346a, 1362, 1362a, 1520.
- I.** Iliffe & Son. 98 Fleet St., S. C., London. 421b, 517a, 522, 996, 996a.
- Ia.** Illustrated Medical Journal Co., formerly C. Henri Leonard. Detroit, Mich. 573.
- Ib.** Industrial Publishing Co. 9 Barclay St., New York, N. Y. 139, 170, 425, 457, 463a, 464, 464a, 465, 715, 716, 717, 718, 802, 1051, 1146a, 1249, 1432a, 1435.
- In.** Ingham, Clarke & Co. 217 Superior St., Cleveland, O. 405a.
- Io.** Inquirer Printing & Publishing Co. Lancaster, Pa. 534.
- Ip.** International News Co. 29, 31 Beekman St., New York, N. Y. 512.
- Ir.** Interstate Publishing Co. 30 Franklin St., Boston Mass. Branch: 185, 187 Wabash Ave., Chicago, Ill. 1008.
- J.** Jackson, Rich. 113 Oakley St., Lambeth, S. E., London. 970.
- Ja.** Jago, W., (Author). London. Publications sold by Simpkin, Marshall & Co. 506.
- Jb.** Janentzky & Weber. 1125 Chestnut St., Philadelphia, Pa. Now F. Weber & Co., Philadelphia, Pa. 1098.
- Jc.** Jenkins, Wm. R. 851, 853 Sixth Ave., New York, N. Y. 1042.
- Jd.** Johnson, C. J. 102 Madison St., Chicago, Ill. 477.
- Je.** Johnson, T. and J. W., & Co. 535 Chestnut St., Philadelphia, Pa. 483a, 655, 1171a, 1420a.
- Jo.** Johnston, W. & A. K. 5 White Hart St., Warwick Lane, E. C., London. 951, 979, 987, 988, 989.
- Jn.** Jones & Co., L. 46 Watling St., E. C., London. 523a.
- Jm.** Jordan Bros. 211 N. 9th St., Philadelphia, Pa. 41.
- Jr.** "Journal of Horticulture," Edw. H. May, publisher, 171 Fleet St., E. C., London. 60, 1036.
- Ju.** Judd, O., Co. 751 Broadway, New York, N. Y. 55, 62, 135, 170, 251, 335a, 340, 346, 398, 417, 438, 479, 490, 517, 624, 626, 682, 691, 742, 802, 821, 876, 931, 934, 962, 982, 1103, 1125, 1157, 1171, 1200, 1235 30c, 1248, 1288, 1299, 1307, 1328, 1406, 1433, 1486, 1524, 1530, 1547, 1571, 1572, 1586, 1587.
- Jv.** Judson Printing Co. 16 Beekman St., New York, N. Y. 451.
- K.** Kelly, Wm. Henry. 57 Carey St., W. C., London. 850.
- Ka.** Kelly & Co. 51, 52 Great Queen St., Lincoln's Inn Field's, W. C., London. 525, 526, 527, 528, 529, 530, 531, 701a, 1466a.
- Kb.** Kennedy, Alex. Arth. 12 Porchester Road, W., London. 657.
- Kc.** Kent, Wm., & Co. 23, 51, 52 Paternoster Row, E. C., London. 132, 698, 943.
- Kd.** Keppel, Fred., & Co. 23 E. 16th St., New York, N. Y. 953.
- Ke.** Keuffel & Esser. 127 Fulton and 42 Ann St., P. O. Box, 3150, New York, N. Y. 318.
- Ki.** Kimpton, Henry. 82 High Holborn, W. C., and 13 Lambeth Palace Road, S. E., London. 794.
- Km.** King, Walter. 11 Bolt Court, Fleet St., E. C., London. 639.

- Kn.** **Knight & Co.** 90 Fleet St., E. C., London. **687, 808.**
- L.** **"Labour News and Employment Advertiser,"** Geo. E. Shepherd, publisher. 16 Southampton St., W. C., London. **1017.**
- La.** **Lee & Shepard.** 10 Milk St., Boston Mass. **292, 311, 352, 618, 1184, 1284, 1369, 1374, 1543 \$25.00.**
- Lb.** **Leonard, C., Henri.** Detroit. Mich. Now Illus. Med. Journal Co. **573.**
- Lc.** **Lessley, M.** Toledo, O. **574.**
Gone away Present address could not be traced.
- Ld.** **Letts, Chas., & Co.** 13 Royal Exchange, E. C., and 1 New Castle St., Farringdon St., E. C., London. **575.**
- Le.** **Lewis, Henry K.** 136 Gower St., W. C., London. **151, 244, 617, 628, 737.**
- Li.** **Lippincott, J. B., Co.** 715, 717 Market St., Philadelphia, Pa. Branches: 35 Bond St., New York. N. Y.; 10 Henrietta St., Covent Garden, W. C., London. **17a. 57, 92b, 330, 359, 417, 537, 560b, 573, 1019, 1082 \$1.50 ea., 1101 \$2.50, \$4.25, 1104, 1201, 1219, 1354, 1437 \$2.00, 1455 \$2.00, 1514, 1541 \$2.00 ea., 1542 \$2.65.**
- Lm.** **Lithographic Publishing Co.** 12 Centre St., New York, N. Y. **584.**
- Ln.** **Little, Brown & Co.** 254 Washington St., Boston, Mass. **145, 247, 423, 641, 749, 1082 \$1.25 ea., 1101 \$1.75, \$3.75, 1170, 1189, 1287, 1430, 1437 \$1.75, 1455 \$1.75, 1541 \$1.75 ea., 1542 \$2.75.**
- Lo.** **Lockwood, How., & Co.** 126, 128 Duane St., New York, N. Y. **589.**
- Lp.** **Lockwood, Crosby, & Co.** 7 Stationer's Hall Court, Ludgate Hill, London. **46, 52, 53, 53a, 77, 90, 92a, 142, 149, 150, 155, 238, 239, 254, 256, 271, 271a, 273a, 274, 275, 275a, 282, 284, 288, 305, 322, 325, 326, 328, 342c, 369, 375, 376, 377, 387, 397a, 407a, 408, 418a, 431, 432, 433, 434, 436, 493, 535, 560, 572, 592, 593, 612, 613, 617a, 700, 701, 779, 811a, 819, 820, 845, 870a, 873, 882, 886a, 948, 949, 950, 952b, 969, 984, 986, 990, 997a, 1016, 1024, 1025a, 1070, 1080, 1081, 1129, 1167, 1187, 1188, 1190, 1197, 1198, 1198b, 1254, 1266, 1283, 1324, 1340, 1466, 1467, 1468, 1533, 1534, 1545, 1546, 1593, 1595.**
- Lu.** **Loftus, W. E.** 321 Oxford St., W., London. **590, 1378.**
- Lv.** **London Stereoscopic and Photographic Co.** 54 Cheapside, E. C., and 108, 110 Regent St., W., London. **4.**
- Lw.** **Longmans, Green & Co.** 38 to 41 Paternoster Row, E. C., London. Branch: 15 E. 16th St., New York, N. Y. **10, 239, 290, 321, 389a, 489a, 513, 514, 520, 521, 595a, 614, 640, 644a, 721, 807a, 832, 945, 962, 1044, 1176, 1210, 1211, 1212, 1213, 1214, 1224, 1421 \$6.00, 1436.**
- Laa.** **Lothrop, D., Co.** Cor. Washington and Bromfield Sts., Boston, Mass. **709.**
- Lab.** **Low, Sampson, & Co.** 188 Fleet St., E. C., London. **14, 22, 30a, 42, 54, 56, 61, 88, 96, 119, 120, 185, 187, 240, 242, 258, 259, 260, 263, 269, 272, 287, 319, 467, 468, 492, 548, 625, 652, 654, 711, 737b, 767, 777, 801, 848, 849, 922, 946a, 966, 997b, 999, 1000, 1001, 1002, 1025, 1030, 1203, 1343, 1403 2s. 6d, 1515.**
- Lac.** **Lupton, F. M.** 63 Murray St., New York, N. Y. **195.**
- Lad.** **Lyon, Geo.** 21 Nicolson St., Edinburgh (Scotland). **338, 338*.**
- M.** **McCollin, Thos. H., & Co.** 635 Arch St., Philadelphia, Pa. **455.**
N. B. 502 is referred to M. by error; should be Mw.
- Ma.** **Mackellar, Smiths & Jordan Co.** 606 to 614 Sansom St., Philadelphia, Pa. **609a.**
- Mb.** **Macmillan & Co.** 29, 30 Bedford St., Covent Garden, London. Branch: 112 Fourth Ave., New York, N. Y. **382, 460, 567, 644, 761a, 1043, 1156, 1238, 1282, 1320, 1331, 1365, 1388, 1429, 1529.**
- Mc.** **Mack, Wm.** 28 Paternoster Row, E. C., London. **12.**
- Md.** **Marion & Co.** 22, 23 Soho Sq., W., London. **160a, 515, 620, 719.**
- Me.** **Marshall, A. B.** 30, 32 Mortimer St., Cavendish Sq., W., London. **622.**
- Mf.** **Marshall, John, & Co.** 42 Paternoster Row, E. C., London. **446.**
- Mg.** **Maxwell, W., & Son.** 8 Bell Yard, Temple Bar, W. C., London. **972.**
- Mh.** **Mawson & Swan.** 33 Soho Sq., W., London. **720.**
- Mi.** **Meeks, Edw.** 1012 Walnut St. P. O. Box 1331, Philadelphia, Pa. **392, 393, 859, 1514.**
- Mk.** **Men's Outfitter.** Mercantile Exchange Building, Cor. Hudson & Hartison Sts., New York, N. Y. **320a.**

- MI. "Mexican Trade" Office.** 35 Broadway, New York, N. Y. 1019a.
Mm. Miller, Sam. 10 Southampton St., Strand, W. C., London, 345, 815, 816.
Mn. Miller, London. 815 Error, see Sam. Miller.
Mo. Moffath & Paige. 28 Warwick Lane, Paternoster Row, E. C., London. 411, 1061a, 1328a, 1486a.
Mr. Montgomery, C. A., & Co. 7 Murray St., New York, N. Y. 384*, 685, 686.
Mu. Munn, & Co. "Scientific American" Office, 361 Broadway, New York, N. Y. 6a 50c, 9, 10 \$1.50, 16a, 17 \$3.00, 19 \$3.00 ea., 21, 27, 29a, 32, 46 40c, 52, 53, 53a, 56, 60, 62, 64, 65, 66a, 74, 75, 76 \$3.00; 78, 87, 88, 89, 92a, 95, 98, 99, 104a, 112, 113, 115, 119, 120, 121, 122, 123, 125 \$3.00; 132, 133a, 136 \$3.00; 137, 142, 143a, 143c, 150 \$1.50; 155, 75c; 156, 157, 160a, 162, 166, 170, 173, 174, 180 75c; 210, 216, 217, 236, 237 \$1.25, 240, 242, 242e, 245a, 251, 254, 257, 258, 260, 263, 264a, 266, 271a, 273a, 275a, 281a, 284 \$1.00; 295, 297, 308, 309, 311, 326, 328 \$1.50; 338*, 342c, \$1.20; 348, 349, 360, 369, 371a, 372, 375 \$1.25; 377 \$1.25; 379 50c; 380, 381a, 383, 387, 388, \$2.50; 391, 392, 393, 398, 402, 408 \$1.00; 416, 431, 432, 441, \$4.00; 443, 463a; 465, 467, 468, 469, 474, 490, 491, 496, 507, 508, 517a, 523, 533, 535, 549, 552, 560, 584c, 585, 586, 587, 588, 593, 596, 599, 600 \$2.00; 600a, 601, 603, 609a, 615a, 617 \$2.25; 619, 623, 624, 628a, 60c; 636 \$1.50; 642, 649, 650, 655a, 665, 691, 701, 703, 717, 721, 725, 726, 727, 734, 737b, 739, 740, 742, 743, 755, 756a \$4.00; 763a, 769a, 774a, 776, 777, 781, 791, 793, 800, 802, 811a, 813, 814, 817, 832, 833 80c; 859, \$1.50; 864 \$27.00; 865, 865b, 866, 872, \$10.00; 876, 877, 881, \$4.00; 886a, 907, 922, 930, 931, 932 \$2.50; 942, 948, 949, 952a, 952b \$12.60; 962, 964a, 964b, 966, 969, 971, 977, 978a, 980, 982, 984, 985 \$3.50; 986, \$1.00; 990 \$4.00; 996, 1004, 1012, 1015a, 1016, 1020a, 1021, 1022, 1031, 1051, 1056, 1066, 1080, 1084, 1088 \$3.00; 1092 \$1.75 ea.; 1096, 1099, 1112, 1115, 1125, 1129, 1139, 1142, 1166, 1169, 1170, 1171, 1174, 1175, 1179, 1180, 1180a, 1181, 1182, 1188 \$1.25, 1197, 1198, 1205, 1206, 1219 \$15.00; 1220, 1222a, 1224 \$10.00; 1226, 1246a, 1248, 1253, 1254, 1258, 1262, 1269, 1270, 1285, 1292a, 1308 \$1.00; 1309 \$12.50; 1330, 1352, 1355 \$1.75; 1356, 1357a, 1362b, 1366, 1375, 1379, 1380, 1401, 1408 \$1.50, 1409, 1410, 1419, 1421 \$6.00; 1422, 1425, 1429, 1438 \$4.00; 1447, 1448, 1451, 1453, 1457, 1458, 1459, 1469, 1483, 1488, 1492, 1499, 1500, 1502, 1505a, 1506 1512, 1514, 1515a, 1521, 1522, 1526a, 1531 \$1.50; 1533, 1539 \$1.25; 1540, 1543 \$24.00; 1554, 1558, 1559, 1562, 1565, 1571, 1572, 1578, 1590, 1596.
Mv. Munsell's, Joel, Sons. 82 State St., Albany, N. Y. 1404.
Mw. Murby, Thos. 3 Ludgate Circus Buildings, Farringdon St., S. C., London. 502.
Ma. Murphy, John, & Co. 182 W. Baltimore St., Baltimore, Md. 36.
Mab. Murray, John. 50 Albemarle, St., London. 241.
Mac. Myra & Son. Covent Garden, London. 114a, 663b, 663c, 663d, 663e, 663f, 663g, 663h, 663i, 663k, 663l, 663m, 663n.
N. National Temperance Publicat. Depot. 34 Paternoster Row, E. C., London. 822a.
Na. National Temperance Society and Pub. H., 58 Reade St., New York, N. Y. 581b.
Nb. Nelson, Th., & Sons. 35 Paternoster Row, E. C., London. Branch: 33 E. 17th St., New York, N. Y. 1584.
Nc. New York (The) Cremation Society. 140 Nassau St., New York, N. Y. 947.
Ne. New York News Co. 20 Beekman St., New York, N. Y. 215, 1013.
Ni. Nims & Knight. 9, 10 Cannon Place, Troy, N. Y. 544, 942a.
Nn. Nonpareil Publishing Co., Ervin A. Rice, Manager. 36 Wabash Ave., Chicago, Ill. 761*, 1009a.
No. North Carolina Department of Agriculture. Raleigh, N. C. 404.
Oa. O'Kane, J. 4 College Place, New York, N. Y. 278, 756a, 883, 1045a, 1046, 1061, 1220, 1227, 1227a, 1372, 1395a, 1470a, 1477a, 1523a.
Ob. O'Shea, Wm. P. O. Box 392, Lincoln, Nebr. 681.
Oc. Osgood, J. R. Boston, Mass. 675, 748, 875.
Now out of business.
P. Palliser, Palliser & Co. Bridgeport, Conn. Branch: 24 E. 42d St., New York, N. Y. 694.
Pa. "Paper Maker's Circular" (The). Office, 19 Cursitor St., Chancery Lane, E. C., London. 714.

- Pb. **Parker & Co.** 6 Southampton St., Strand, W. C., London. 680.
- Pc. **Partridge, S. W., & Co.,** 9 Paternoster Row, E. C., London. 407.
- Pd. **Paterson, Wm.** 67 Princes St., Edinburgh (Scotland). London Agents: Simpkins. 301.
- Pe. **Paul, K., Trench & Co.** 1 Paternoster Sq., E. C., London. 304, 341, 386a, 584b, 964b.
- Pf. **Payot, Upham & Co.** 204 Sansome St., San Francisco, Cal. 491, 616, 785.
- Pg. **Perken.** 99 Hatton Garden, E. C., London. 73a.
- Ph. **Piper & Carter.** 5 Castle St., Holborn, E. C., London. 6a, 7, 8, 8a, 9, 104, 160, 303, 760, 790a, 791, 792, 793, 1038, 1038a.
- Pi. **Plow & Co.** 55 Beekman St., New York, N. Y. 315.
- Pk. **Porter & Coates.** 900 Chestnut St., Philadelphia, Pa. 971, 1252, 1314.
- Pm. **Potter, John E., & Co.** 1111, 1113 Market St., Philadelphia, Pa. 1308.
- Pn. **Potter & Potter.** "The Yankee Blade," 86, 92 Federal St., Boston, Mass. 518.
N. B. Own the plates and expect to issue a new edition, paper, at 50c.
- Po. **Powell, J. M., & Son.** 33 A Ludgate Hill, E. C., London. 857a.
See also "Printer's Register."
- Pp. **Prang, L., & Co.** 286 Roxbury St., Boston, Mass. Branches: New York, N. Y.; San Francisco, Cal. 695, 1094, 1225, 1447.
- Pr. **Pratt, D. C.** 32 Church St., New York, N. Y. 869.
- Pu. **Price, Lee & Co.** 713 Chapel St., New Haven, Conn. 92c.
- Pv. **"Printer's Register and Bookbinder's and Stationer's Record,"** J. M. Powell & Son, 33 A Ludgate Hill, E. C., London. 92.
See also Powell & Son.
- Pw. **"Public Service Review" (The).** Barnegat Park, N. J. Branches: New York, N. Y.; Washington, D. C. 337.
- Paa. **Putnam, G. P., & Sons.** 27 W. 23d St., New York, N. Y. Branch: 27 King William St., Strand, London. 39, 154, 683, 908, 1125, 1376, 1418.
- Q. **Quaritch, Bernard.** 15 Piccadilly, W., London. 110, 110a, 110b, 343a, 344, 390a, 504a, 523, 581a, 690, 766, 807b, 1037a, 1348.
- R. **"Railroad Gazette" (The).** 70 Broadway, New York, N. Y. 356.
- Ra. **Rand Avery Co.** 117 Franklin St., Boston, Mass. 712, 858, 1007a.
- Rb. **Ranken, Peter.** 5, 6 Drury Court, Strand, W. C., London. 316.
- Rc. **Redway, Geo.** 15 York St., Covent Garden, W. C., London. 619a, 840, 935.
- Rd. **Reeves, Wm.** 185 Fleet St., E. C., London. 454.
- Re. **Reeves & Turner.** 196 Strand, W. C., and 100 Chancery Lane, E. C., London. 183.
- Rf. **Remington & Henthorn.** Providence, R. I. 704.
- Rg. **Remington & Co.** 18 Henrietta St., Covent Garden, W. C., London. 803.
- Rh. **Republican Pub. Co.** Iowa City, Ia. 329.
- Ri. **Rhodes & McClure Pub. Co.** 230 Lake St., Chicago, Ill. 19 \$3.50 ea., 28, 58, 71, 71a, 73, 546, 547, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 944, 1085, 1086, 1087, 1173, 1210a, 1271, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1286.
- Rk. **Richardson, M. T.** 57 Rose St., New York, N. Y. 370, 371, 371a, 817.
- Rm. **Rider, Wm., & Son.** 14 Bartholomew Close, E. C., and Montague Court, Little Britain, E. C., London. 158a, 561, 875b, 933a.
- Rn. **Ridgway, Wm.** 169 Piccadilly, W., London. 175, 553, 837a, 1237.
- Ro. **Rivington & Co.** 3 Waterloo Place, S. W., London. 558, 675*, 750, 751, 752, 753, 833, 886.
- Rr. **Roberts Bros.** 3 Somerset St., Boston, Mass. 406, 471.
- Ru. **Roffe, A. H., & Co.** 11 Bromfield St., Boston, Mass. 5, 6, 100, 101, 191, 205, 206, 426, 735, 768, 782, 928, 1035, 1073, 1075, 1102, 1345, 1465, 1528.
- Rv. **Bogerson, Chas.** 56 John Dalton St., Manchester, England. 406.
- Rw. **Routledge, Geo., & Sons.** 7 Broadway, Ludgate Hill, E. C., London. Branch: 9 Lafayette Pl., New York, N. Y. 153, 188, 361, 744, 797, 804, 823, 843, 1153, 1231, 1301, 1327, 1395a, 1395b, 1395c, 1493, 1513, 1531.
- Raa. **Bowney, Geo., & Co.** 64 Oxford St., W., Wholesale Departm., 10, 11 Percy St., W., London. 1005.

- Rau.** **Rural Home Pub. Co.** Rochester, N. Y. 1054, 1571, 1572.
N. B. Ceased publishing books; public. are now controlled by The American News Co., and Excelsior Pub. House.
- Rav.** **Ruth, J. A., & Co.** 77, 79 Dearborn St., Chicago, Ill. 1014.
- S.** **Sabin, J. F.,** (formerly J. Sabin's Sons). 21, 23 Ann St., New York, N. Y. 1399 \$5.00.
- Sa.** **Sabin's, J., Sons.** New York, N. Y. Now J. F. Sabin.
- Sb.** **Scientific Pub. Co.,** lim., Chas. W. Hastings, Manag. Dir. 22 Buckingham St., W. C., London. 1037.
- Sc.** **Scott, W.** 14 Warwick Lane, E. C., London. 775a.
- Sd.** **Scovill Manufg. Co.** 423 Broome St., New York, N. Y. 11, 302, 421, 653, 755, 790b, 791 75c, 792 75c, 793 50c, 860, 1532.
- Se.** **Scribner's, Chas., Sons.** 743, 745 Broadway, New York, N. Y. 97, 223, 420, 496, 1196, 1204, 1359, 1390, 1479.
- Si.** **Scribner & Welford.** 743, 745 Broadway, New York, N. Y. 42, 91, 106, 159, 185, 187, 241, 250, 265, 266, 296, 304, 330 \$4.00, 471 \$2.00, 503a, 537, 560a, 609, 841, 874, 881, 935, 963, 964 \$6.00, 999, 1002, 1041, 1082 \$1.40 ea., 1095, 1101 \$2.00; \$4.20, 1342, 1343, 1346, 1377, 1541 \$2.00 ea., 1542 \$3.00.
- Sl.** **Sharps Pub. Co.** New York, N. Y. 70.
Now Exchange Printing Co.
- Sm.** **Shaw, John F., & Co.** 48 Paternoster Row, E. C., London. 584a, 705, 827.
- Sn.** **Sheals, John.** New York, N. Y. 829.
Now out of business.
- So.** **Sheppard & St. John.** 6th St. Bridge St., Ludgate Circus, E. C., London. 475.
- Sr.** **Silver, S. W., & Co.** Sun Court, Cornhill, E. C., London. 670.
- Su.** **Simpkin, Marshall & Co.** 4 Stationers' Hall Court, E. C., London. 31, 33, 33a, 34, 35, 47, 60a, 111, 112, 116, 117, 117a, 118, 133, 137, 143, 166a, 204, 211, 212, 213, 214, 250a, 261, 277, 279, 285, 285a, 327, 331, 351, 354, 381, 389, 390, 414, 415, 478a, 482, 485, 486, 487, 488, 516a, 562, 609b, 627, 659, 672, 762, 806, 808a, 809, 825, 826, 846, 867, 936, 937, 938, 955, 956, 957, 958, 959, 960, 973, 983, 1020, 1027, 1240, 1264, 1318, 1326, 1485.
- Sv.** **Skeffington, Wm., & Son.** 163 Piccadilly, W., London. 386.
- Sw.** **Skuse, E.** 30 Praed St., Paddington W., London. 844.
- Saa.** **Smith, C. W.** 158 Church St., Nashville, Tenn. 1500.
- Sab.** **Smith, W.** 31 Bedford St., W. C., London. 384a.
- Sac.** **Smith & Co.** 3 Hamilton Place, Boston, Mass. 402a.
- Sad.** **Smith, Elder & Co.** 15 Waterloo Pl., S. W., and Warehouse: 14 Bride Lane, New Bridge St., E. C., London. 786, 926, 1209.
- Sae.** **Society for the Encouragement of Arts, Manuf., and Commerce,** H. Trueman Wood, Esq., Sec'y., 18, 19 John St., Adelphi, London. 5, 6, 100, 101, 191, 205, 206, 426, 735, 768, 782, 928, 1035, 1073, 1075, 1102, 1345, 1465, 1528.
- Sa.*** **Society for Promoting Christian Knowledge,** Northumberland Ave., Charing Cross, London. 576, 878, 1029.
N. B. Public. controlled by E. and J. B. Young & Co., Cooper Union, N. Y.
- Saf.** **Sonnenschein, S., Lowrey & Co.** 6 White Hart St., E. C., Paternoster Sq., London. 124, 127, 287a, 287b, 799, 799a, 1185a.
- Sag.** **Sotheran, Henry, & Co.** 36 Piccadilly, W.; 135, 136 Strand, W. C.; 24 Wellington St., Strand, W. C., London. 43, 110a, 110b, 795, 964, 15s.
- Sab.** **Southby, E. R.** London 857.
Address not discoverable.
- Sai.** **Spon, E. & F. N.** 125 Strand, W. C., London. Branch: 12 Cortlandt St., New York. 18, 21, 22, 26, 33, 51, 64, 82, 89, 95, 104a, 108, 132, 133a, 143a, 162, 170, 173, 207, 209, 210, 216, 236, 237, 240, 242a, 245, 245a, 257, 258, 276, 286, 295, 299, 299a, 309, 355, 360, 379, 380, 392, 393, 402, 30, 474, 480, 508, 552, 559, 584c, 585, 585a, 586, 587, 588, 596, 600a, 609a, 623, 633, 650, 665, 699, 701, 710b, 717, 733, 761, 774, 776, 802, 814, 823, 841, 841a, 855, 859, 862, 864, 865, 865a, 865b, 866, 872, 907, 922, 931, 932, 942, 948, 949, 966, 1022, 1094, 1111, 1115, 1118, 1119, 1122, 1124, 1142, 1143, 1145, 1148, 1158, 1216, 1233, 1234, 1247, 1257, 1262, 1285, 1289, 1291, 1307, 1316a, 1330, 1332, 1338, 1341, 1352, 1368, 1375, 1382, 1394, 1410, 1411a, 1419, 1425, 1457, 1459, 1463, 1464, 1469, 1481, 1491, 1495, 1498, 1505a, 1506, 1522, 1538, 1557, 1562.

- Sal. **Stanford, Edw.** 55 Charing Cross, S. W., and 17 Spring Garden, S. W., London. 129, 225, 713, 871, 871a, 913, 1045, 1052, 1053, 1055, 1074, 1077, 1092, 1093, 1114, 1120, 1121, 1141, 1151, 1159, 1162, 1165, 1178, 1199, 1202, 1223, 1228, 1246, 1260, 1281, 1310, 1333, 1339, 1373, 1432, 1441, 1444, 1470, 1494, 1496, 1556, 1564, 1576, 1577, 1582.
- Sam. **Stevens & Sons.** 119 Chancery Lane, W. C., and 14 Bell Yard, Lincoln's Inn, W. C., London. 37, 253, 661, 706a, 927.
- San. **Stewart, Wm., & Co.** 41 Farringdon St., E. C., London. 161.
- Sav. **Stock, Eliot.** 61, 62 Paternoster Row, E. C., London. 444, 673.
- Sap. **Stokes, F. A., & Bro.,** (formerly White, Stokes & Allen.) 182-5th Ave., New York, N. Y. 462, 462a, 663a, 688, 710a, 775.
- Sar. **Strouse, L. K., & Co.** 95 Nassau St., New York, N. Y. 736, 842, 842a, 968.
- Sat. **Sunday School Union.** 56 Old Bailey, E. C., London. 805.
- Sav. **Sweet, Henry.** 3 Chancery Lane, London. 109.
- Saw. **Symon's & Co.** 27 Bouverie St., E. C., London. 634.
- T. **Tamsen, E. J. H.** 52 Avenue A, New York, N. Y. 1050.
- Ta. **Temple & Co.** (W. M. Thomson.) 6 Holywell St., Strand, W. C., London. 919.
- Tb. **Textile Manuf. Directory of the U. S.** (H. H. Babcock, Manager.) 320, 322 Broadway, New York, N. Y. 921a.
- Tc. **Thacker & Co.** Newgate St., E. C., London. 498, 582, 774a.
- Td. **Thorburn & Co.** 136 Salisbury Court, E. C., London. 503.
- Te. **Ticknor & Co.** Boston, Mass. 63, 164, 202 \$3.00, 248, 473, 675, 748, 764, 875.
Now Houghton, Mifflin & Co.
- Th. **Tilton, S. W., & Co.** 33 Washington St., Boston, Mass. 403, 532, 1191, 1295, 1295a, 1296, 1297, 1298, 1298a, 1504.
- Ti. **Tinsley Bros.** 8 Catherine St., Strand, W. C., London. 437, 677.
- Tm. **Townshend, J.** 22 West 52d St., New York, N. Y. 939.
- Tn. **Treat, E. B.** 771 Broadway, New York, N. Y. 504.
- To. **Trippin, Julien.** 5 Bartlett's Building, Holborn, E. C., London. 810, 811.
- Tr. **Truebner & Co.** 57, 59 Ludgate Hill, E. C., London. 15, 87, 91, 221, 268, 421a, 427, 491, 976, 977, 1205, 1381a, 1434.
- Tu. **Truth Seeker Co.** 28 Lafayette Pl., New York, N. Y. 964b, 1474, 1483.
- Tv. **Tuttle Co., The.** 11 Centre St., Rutland, Vt. 737a.
- U. **Unwin, T. F.** 26 Paternoster Sq., E. C., London. 234, 500a, 510, 1502.
- V. **Vail, J. H., & Co.** 21 Astor Pl., and 8th St., New York, N. Y. 16, 16a, 123, 226, 281a, 584*, 721, 929a, 1170, 1175, 1500, 1588a.
- Va. **Van Nostrand, D., Co.** 23 Murray St., and 27 Warren St., New York, N. Y. 3, 8a, 16, 16a, 17a, 21, 24, 26, 33, 56, 62, 78, 82, 95, 103, 107, 113, 115, 121, 123, 128, 144, 155, 156, 157, 163, 166, 170, 174, 180, 226, 236, 240, 242, 243, 254, 256, 258, 260, 261, 263, 274, 275, 278, 284, 295, 309, 328, 338, 348, 355, 359, 375, 377, 378, 379, 380, 387, 392, 432, 441, 465, 474, 476, 509, 514, 533, 535, 537, 552, 559, 578a, 603, 604, 636, 649, 651, 671, 692, 721, 734, 739, 763a, 764, 769, 781, 785, 802, 810, 814, 844, 845, 859, 870, 872, 877, 881, 886a, 927, 942, 948, 949, 950, 962, 965, 876, 977, 980, 983, 985, 1005, 1020a, 1022, 1026, 1041, 1044, 1051, 1056, 1066, 1084, 1094, 1098, 1099, 1111, 1119, 1120, 1123, 1125, 1127, 1128, 1129, 1133, 1134, 1136, 1138, 1142, 1145, 1149, 1164, 1166, 1168, 1169, 1170, 1171, 1175, 1180a, 1183, 1186, 1187, 1188, 1190, 1193, 1197, 1198, 1203, 1205, 1207, 1211, 1212, 1213, 1214, 1218, 1224, 1225, 1227, 1229, 1239, 1254, 1255 \$3.00, 1259, 1261, 1262, 1263 \$3.50, 1268, 1269, 1284, 1292, 1307, 1321, 1330, 1337, 1347, 1348, 1349, 1352, 1353a, 1353b, 1355, 1357a, 1369, 1371, 1375, 1380, 1383, 1394, 1396, 1397, 1398, 1407 \$9.00, 1408, 1409, 1411, 1419, 1421 \$6.25, 1422, 1425, 1427 \$3.00, 1429, 1436, 1447, 1448, 1449, 1453, 1457, 1459, 1460, 1461, 1463, 1466, 1469, 1473 50c., 1479, 1482, 1484, 1487, 1490, 1492, 1497, 1499, 1511, 1514, 1515, 1517 \$15.00, 1523, 1526 \$6.00, 1533, 1534, 1535, 1536, 1537, 1539, 1543 \$24.00, 1546, 1552, 1553, 1558, 1559, 1563, 1565, 1567, 1569, 1575, 1580, 1581, 1591, 1594, 1595, 1596.
- Vb. **Van Voorst, J.** London. Now Gurney and Jackson.
- Vc. **Vickers, Henry.** 15 St. Ann St. Manchester, England. Branch: 317 Strand, London. 523b.

- Ve. **Virtue, J. S. & Co., lim.** 294 City Road, E. C.; 26 Ivy Lane, E. C.; 49 Mortimer St., W., 26 Farringdon St., E. C. London. **447, 635a, 1346, 1473, 2s 6d.**
- Vi. **Vizetelly, & Co.** 42 Catherine St., Strand; and 16 Henrietta St., Covent Garden, W. C., London **963, 964, 1549, 1550, 1551.**
- W. **Walker, J.** 96 Farringdon St., E. C., London **539.**
- Wa. **Walsh, J. M.** 117 S. Front St., Philadelphia, Pa. **975.**
- Wb. **Ward, Lock & Co.** Warwick House, Dorset Buildg., Dorset St., E. C., London. Branch: 35 Bond St., New York, N. Y. **17, 19, 28, 30, 58, 59, 71, 71a, 72, 73, 200, 501, 524, 546, 547, 578, 615a, 628a, 679, 730, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 944, 963, 1012, 1040, 1085, 1086, 1087, 1173, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1286, 1316, 1401, 1549, 1550, 1551.**
- Wc. **Ward & Peloubet,** New York, now Diossy & Co., N. Y.
- Wd. **"Warehousemen and Draper's Trade Journal."** Wm. Hill and Leonard, pub., 148, 149 Aldersgate St., E. C., Collingridge, London. **69.**
- We. **Warne, Fred., & Co.** 15 Bedford St., Strand, W. C., London. Branch: 3, 4th Ave. Cooper Union, New York, N. Y. **180, 483, 940, 1583.**
- Wm. **Waterlow Bros. and Layton.** 24, 25, Birchinn Lane, E. C.; 28, 29 Lime St., E. C. and Broken Wharf, Up Thames St., E. C., London. **489, 756.**
- Wn. **Weber, F., & Co.,** (formerly Janentzky & Weber.) 1125 Chestnut St., Philadelphia, Pa.; Branch: 312 N. 6th St., St. Louis, Mo. **1098.**
- Wo. **Weldon, Chr. Edw. & Co.** 7 Southampton St., Strand W. C., and 23 Exeter St., Strand, W. C., London. **993, 994, 995, 995a.**
- Wu. **Welsh, R. & Co.** 19 S. 9th St., Philadelphia, Pa. **399a.**
- Wv. **Western News Co.** 42 Randolph St., Chicago, Ill. **723.**
- Waa. **Whidden, B.** 18 Arch St., Boston, Mass. **157.**
- Wab. **White, Stokes & Allen.** N. Y., now F. A. Stokes & Bro.
- Wac. **Whitehead, Jessup.** 183 N. Peoria St., Chicago, Ill. **1006.**
- Wad. **Whiting, Thom. J.** 7a South Place, Finsbury E. C., London. **656.**
- Wae. **Whittaker & Co.** 2 White Hart St., Paternoster Sq., E. C., London. **884, 965a.**
- Waf. **Whittingham, W. B., & Co.** 91 Grace Church St., E. C., and 43a Charterhouse Sq., E. C., London. **27, 29, 29a, 655a, 914, 915.**
- Wag. **Wiley, John, & Sons.** 15 Astor Pl.; Wholesale Departm., 138 8th St., New York, N. Y. **51, 66a, 111, 308, 381a, 391, 394, 463, 469, 642, 724, 725, 726, 727, 769a, 770, 1004, 1031, 1112, 1174, 1253, 1264, 1366, 1402, 1461, 1512.**
- Wah. **Wilkinson, John, Co.** 57 State St., Chicago, Ill. **1321.**
- Wai. **Williamson & Higbie.** Rochester, N. Y. **975a.**
- Wak. **Williams, A., & Co.** Boston, Mass. **1079.** Now Damrell & Upham.
- Wal. **Williams, David.** 66, 68 Duane St., New York, N. Y. **51, 76, 87, 89, 90, 123, 132, 139, 150, 162, 170, 210, 216, 223, 236, 239, 254, 258, 278, 299, 304, 311, 332, 370, 371, 389, 391, 408, 434, 441, 457, 464, 464a, 465, 469, 474, 632, 692, 715, 717, 743, 747, 764, 769, 776, 802, 825, 836, 837, 877, 883, 921, 952, 991a, 991b, 1026, 1030, 1046, 1051, 1056, 1088 \$2.00, 1105, 1179, 1180, 1181, 1182, 1197, 1220, 1227, 1247, 1250, 1262, 1329, 1357a, 1372, 1401, 1438, 1452, 1476, 1510, 1533, 1539, 1562, 1588.**
- Wam. **Wilson, Eff., & Co.** 11 Royal Exchange, E. C., London. **310, 342, 405b, 651a.**
- Wan. **Wilson, E. L.** 853 Broadway, New York. **155a, 1015a, 1020a, 1012.**
- Wao. **Winsor & Newton, Lim.** 37 to 40 Rathbone Pl., Oxford St., W., and Gillies St., Kentishtown, N. W., London. **262, 342b, 787, 788, 789, 1526.**
- Wap. **Woolmer, Theoph.** 2 Castle St., City Road, E. C., and 25, 27 City Road, E. C., London. **347, 363.**
- Was. **Worthington Co.** 747 Broadway, New York, N. Y. **654, 851, 998.**
- Way. **Wyman & Sons,** 74, 76 Great Queen St., Lincoln's Inn Fields, W. C., London. **98, 165, 168, 312, 323, 362, 365, 366, 367, 368, 442a, 458, 471, 472, 583, 646, 647, 648, 649, 678, 708, 743, 745, 745a, 746, 758, 759, 780, 781, 835, 946, 1010, 1022, 1023, 1037a.**
- Y **Young, W. H.** 8 First St., Troy, N. Y. **863.**
- Z **Zahn, S. H., & Co.** 18 South Queen St., Lancaster, Pa. **1063.**
- Za **Ziegler, P. W., & Co.** 720 Chestnut St., Philadelphia, Pa. Branch, 113 Adams St., Chicago, Ill. **954.**

89049587959



b89049587959a



SPECIAL
COLLECTIONS

Digitized by Google

89049587959



b89049587959a